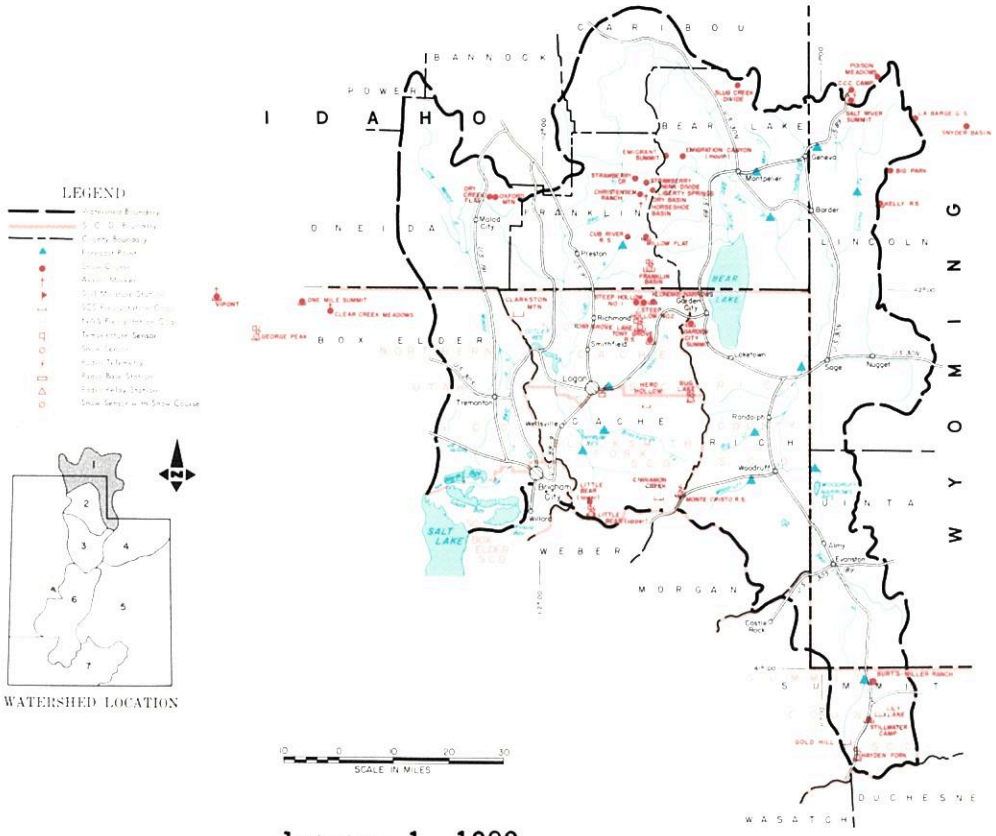
Jan. 1, 1982

No bulletin was published this month do to delays experienced as a result of bad weather. Helicopter surveys were not flown. The individual basin sheets were sent out, however. Attached are the seven basin sheets for this month.

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



January 1, 1982

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 173% of the January 1 average on Lower Bear to 181% on Logan River. The Upper Bear is 179% of average. Helicopter flights to measure snow courses were unable to fly because of storms. Snow cover and precipitation data is taken by SNOTEL radio system. Many sites have as much snow water now as last year on April 1st and are better than the February 1 average.

PRECIPITATION at mountain stations was well above average at most stations during October and again the latter part of December. Some stations show as much as 10 to 16 inches of water in December and a total October-December of 21 to 25 inches.

SOIL MOISTURE at higher elevations is very good but some reports on lower dry farm areas said soils were dry enough to be dusty when plowed this fall.

RESERVOIR STORAGE is generally near average except in Bear Lake which is 85% of the January 1 average.

STREAMFLOW FORECASTS range from 91% of the April-July average for the Bear at Harer to 152% for Big Creek near Randolph. Logan River is forecast at 133% and the Bear at State Line 122%.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	138	122	Apr-July		114
Bear nr Woodruff	190	128	Apr-July		148
Woodruff Crk nr Woodruff, UT	23.8	129	Apr-July		18.4b
Big Creek nr Randolph, UT	8.2	152	Apr-July		5.4e
Bear nr Randolph	154	128	Apr-July		120
Thomas Fork nr UT-WY State Ln	35	100	Apr-July		35
Smith's Fork nr Border, WY	115	96	Apr-Sept		120
Bear at Harer, Idaho 1/	301	91	Apr-Sept		332
Logan nr Logan 1/	158	133	Apr-July		118
Blacksmith Fork nr Hyrum	78	145	Apr-July		54
Little Bear nr Paradise	50	132	Apr-June		38

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	6	385	176
UPPER BEAR RIVER	3	393	179
LOWER BEAR RIVER	4	380	173
LOGAN RIVER	2	441	181

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	882.5	1059.0	1035.4
	Woodruff Narrows	55.7	19.5	11.4	18.1
LITTLE BEAR	Hyrum	15.3	10.2	10.2	10.4
	Porcupine	11.3	2.4	2.3	2.7

+ - 1963-77 15 year Average Period
e - estimasted

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph		
Logan River nr Logan		
Woodruff Creek nr Woodruff		
Little Bear nr Paradise		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Franklin Basin	1/1		18.5	3.4	9.9b
Hayden Fork	1/1		11.3	2.6	6.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Upper	1/1		6.3	2.8	5.8b
Monte Cristo	1/1		18.2	4.4	9.6b
Salt River Summit	12/30	54	9.8	3.0	5.
Stillwater Camp	12/30	54			
Tony Grove Lake	1/1		22.1	5.8	12.5
Oxford Spring	1/1		7.5	--	--

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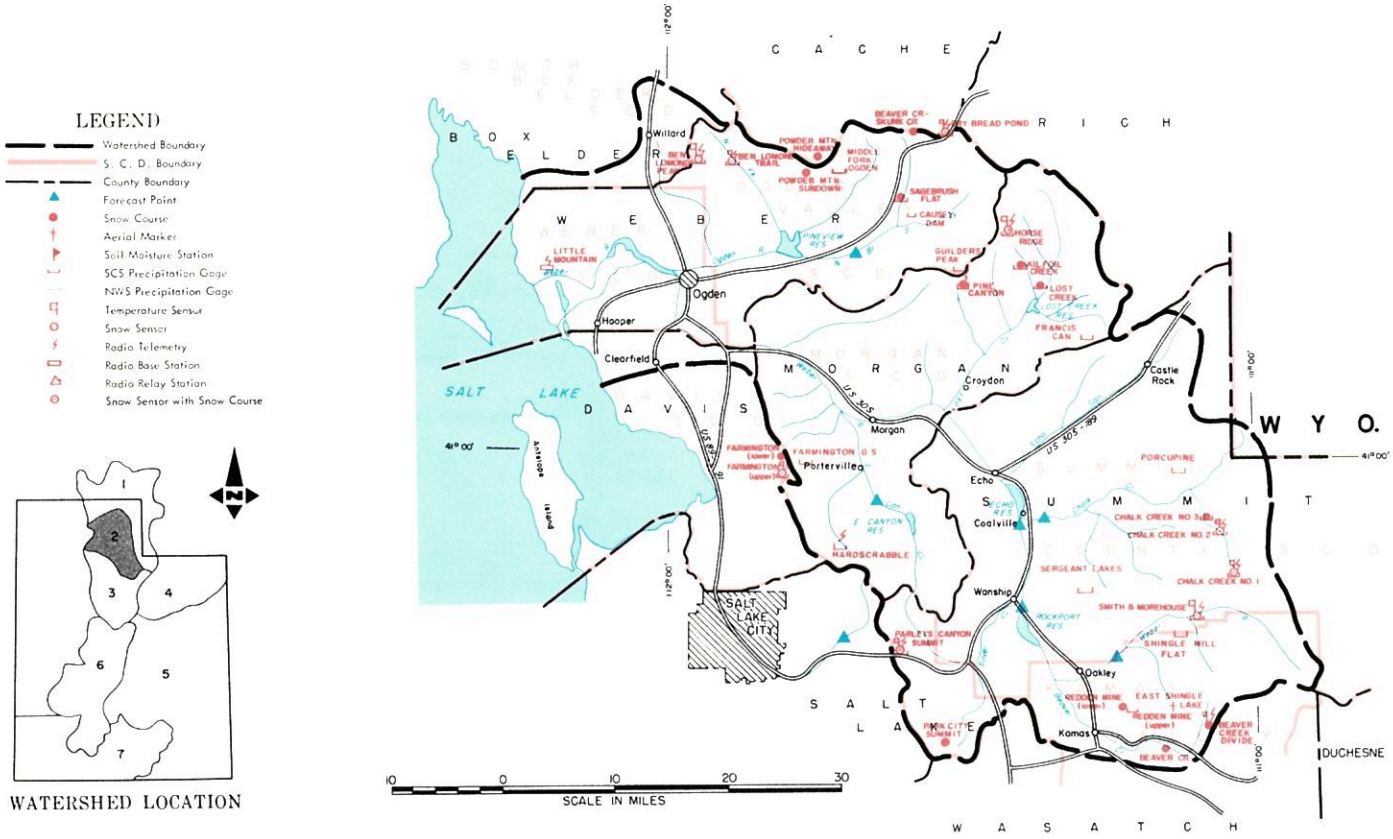
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



January 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 138% of the January 1 average on Weber River to 176% on the Ogden using primarily SNOTEL radio readings. January 1 helicopter flights were cancelled due to bad weather. Snow cover is about 3 times as much as last year at this time and better than the February 1 average.

PRECIPITATION at mountain stations was very good in October and December producing a total for the 3 month period of 165% of average at Parley's Summit and Monte Cristo and 175% at Ben Lomond Trail.

SOIL MOISTURE is near average and much better than last year.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 106% of the April-June average for Lost Creek to 136% for Farmington Creek.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	120	115	Apr-June		104
Rockport Reservoir Inflow 1/	136	121	Apr-June		112
Chalk Creek at Coalville	50	127	Apr-June		39
Weber nr Coalville	138	112	Apr-June		123
Lost Creek nr Croydon, UT	18.4	106	Apr-June		17.4b
East Canyon Creek nr Mogan 1/	28	111	Apr-June		26
Hardscrabble Crk nr Portervill	21	113	Apr-June		18.6e
South Fork Ogden nr Huntsville	73	129	Apr-June		57
Pineview Reservoir Inflow 2/	144	126	Apr-June		115
Echo Reservoir Inflow	185	116	Apr-June		160
Weber at Gateway	360	116	Apr-June		310
JORDAN RIVER & SALT LAKE	11.0	136	Apr-July		8.1b
Farmington Crk nr Farmington					

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
b - Average of all past record less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	3	369	176
WEBER RIVER	4	292	138

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
OGDEN	Causey	6.9	3.0	3.6	1.8b
	Pineview	110.1	56.2	57.2	52.1
WEBER	East Canyon	48.1	32.0	34.8	26.6
	Echo	73.9	44.8	53.7	44.4
	Lost Creek	20.0	12.0	15.8	12.6b
	Rockport	60.9	37.5	40.4	37.9
	Willard Bay	193.3	132.2	162.7	121.6b

† - 1958-72 15 year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon		
South Fork Ogden nr Huntsville		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Ben Lomond Peak	1/1		20.5	5.9	12.4
Ben Lomond Trail	1/1		12.1	2.6	5.6b
Chalk Creek #2	1/1		8.9	4.6	6.6b
Dry Bread Pond	1/1		11.3	3.4	6.9b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Monte Cristo	1/1		18.2	4.4	9.6b
Parleys Canyon Summit	1/4	46	10.7	0.0	7.9
Smith & Morehouse	1/1		6.9	2.0	5.2
Trial Lake	1/1		16.0	5.8	10.

e - estimated

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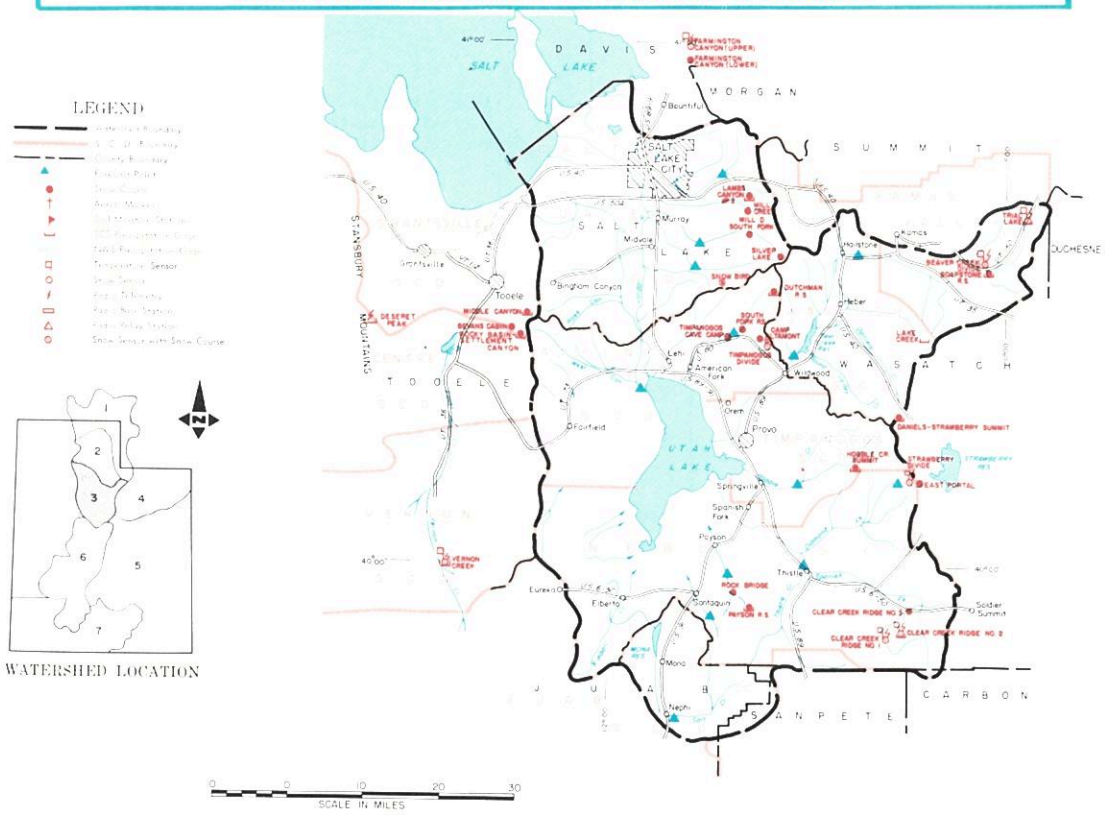
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



January 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 93% of the January 1 average for Tooele Valley courses to 129% on the Jordan River above Salt Lake. Provo-Utah Lake drainage is 114% of average. Helicopter snow surveys were cancelled for January 1 due to weather. Most comparisons are from radio readings.

PRECIPITATION at mountain stations ranged from about 71% of average at Timpanagos Divide to 171% at Clear Creek #2 for the October-December period.

SOIL MOISTURE is near average after good October rains primed at least the top 1 to 2 feet prior to snow accumulation.

RESERVOIR STORAGE is near to above average.

STREAMFLOW FORECASTS range from 100% of the April-July average for Vernon Creek to 148% for Mill Creek near Salt Lake City.

USDA-SCS-PORTLAND, OR. 1980 M7-OL-22027-3
USDA-SCS-PORTLAND, OR. 1980 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

Basin, Stream and/or Forecast Point	This Year Forecast Thousand Acre Feet	This Year Forecast Percent of Average	Forecast Period	Past Record Thousand Acre Feet Last Year	Past Record Thousand Acre Feet Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	144	141	Apr-July		102
Provo below Deer Creek Dam 1/	168	140	Apr-July		120
American Fork nr American Fork	40	129	Apr-July		31
Hobble Creek nr Springville	25	142	Apr-July		
Strawberry Reservoir Inflow 1/	57	110	Apr-July		52
Spanish Fork at Thistle	52	133	Apr-July		
Payson Creek nr Payson	7.7	122	Apr-July		
Utah Lake Inflow	320	131	Apr-July		244
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	46	121	Apr-July		38
Big Cottonwood nr SLC	50	132	Apr-July		38
Parley's Creek nr SLC	19.3	125	Apr-July		15.4
Mill Creek nr SLC	9.3	148	Apr-July		6.3
Emigration Creek nr SLC	5.0	126	Apr-July		
City Creek nr SLC	9.7	121	Apr-July		
TOOELE VALLEY					
Vernon Creek nr Vernon	1.0	100	Mar-June		1.0
Settlement Crk nr Tooele	2.9	127	Apr-July		2.3
So. Willow Creek	3.8	131	Apr-July		2.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

River Basin and/or Sub-watershed	Number of Courses Averaged	This Year as a Percent of Last Year	This Year as a Percent of Average
PROVO RIVER & UTAH LAKE	8	203	114
JORDON RIVER & SALT LAKE	4	294	129
TOOELE VALLEY	2	194	93

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction
a-Partly estimated

RESERVOIR STORAGE (Thousand Acre Feet)

Basin or Stream	Reservoir	Useable Capacity	Useable Storage This Year	Useable Storage Last Year	Useable Storage Average †
SPANISH FORK	Strawberry	270.0	169.9	270.0	147.8
UTAH LAKE	Utah Lake	883.9	750.7	883.9	639.3
	Settlement Creek	1.2	0.5	1.2	--
	Vernon Creek	0.6		0.6	--
PROVO	Deer Creek	149.7	103.1	149.7	107.3

SNOW

Drainage Basin and/or Snow Course Name	This Year Date of Survey	This Year Snow Depth (Inches)	This Year Water Content (Inches)	Past Record Water Content (Inches) Last Year	Past Record Water Content (Inches) Average †
Camp Altamont	12/26	18	3.9	5.2	6.5
Clear Creek #1	1/1		10.3	2.4	7.2b
Clear Creek #2	1/1		9.3	3.4	5.8b
Daniels-Strawberry Summit	1/1		9.2	2.0	5.6
Dutchman R.S.	12/26	28	6.2	4.8	7.2a
Lambs Canyon #2	12/30	41	8.7	2.6	--
Middle Canyon	12/31	28	5.5	3.2	6.1b
Mill Creek	1/4	48	11.1	3.3	--

SNOW

Drainage Basin and/or Snow Course Name	This Year Date of Survey	This Year Snow Depth (Inches)	This Year Water Content (Inches)	Past Record Water Content (Inches) Last Year	Past Record Water Content (Inches) Average †
Mill D South Fork	12/31	47	11.9	3.2	8.2
Parleys Canyon Summith	1/4	46	10.7	3.4	7.9
Payson R.S.	1/1		9.0	2.8	8.0
Silver Lake Brighton	12/31	65	15.4	4.5	10.3
South Fork R.S.	12/29	14	4.0	2.2	2.6
Timpanogos Divide	12/26	24	5.6	7.7	10.8
Trial Lake	1/1		16.0	5.8	10.3
Vernon Creek	12/30	22	3.6	1.5	4.7b

a - Partly estimated
e - Estimated

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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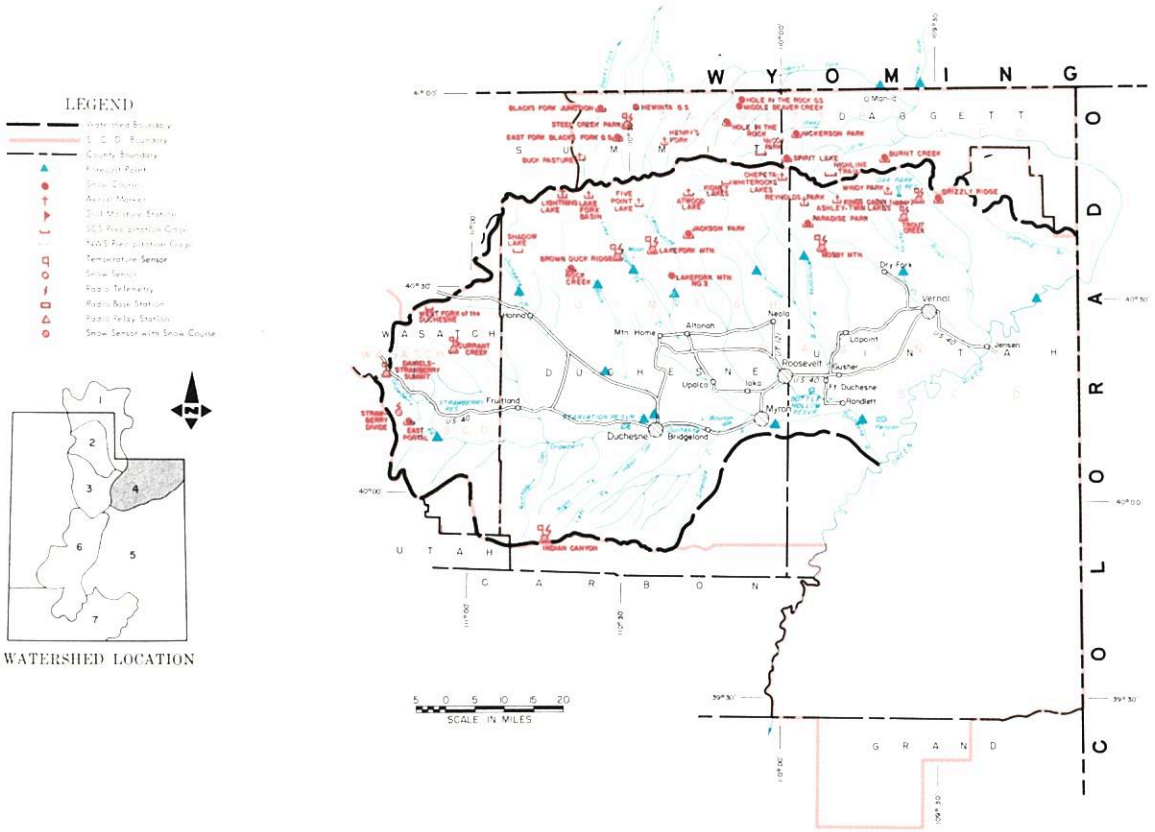

January 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 100% of the January 1 average at Kings Cabin to 181% at Steel Creek Park on the north slope of the Uintahs. Most basins show two to three times as much snow water content as last year on January 1. January 1 helicopter snow surveys were cancelled due to bad weather.

PRECIPITATION at mountain stations has been above average for the October-December period and ranged from 133% at Lakefork Mts. to 230% at Currant Creek.

SOIL MOISTURE was improved greatly by good October rain prior to snow accumulation and is estimated at near average or better in the top 1 to 2 feet of soil.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 96% of average on Yellowstone to 135% for the Duchesne at Myton. Most other streams are expected to be near average for the April-July period.

USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-4
USDA-SCS-PORTLAND, OR 1980 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	133	124	Apr-July		107
Duchesne at Duchesne 1/	228	118	Apr-July		193
Strawberry at Duchesne	59	104	Apr-July		57
Rock Creek nr Mtn. Home	110	116	Apr-July		95
Currant Creek nr Fruitland	27	133	Apr-July		20
Lakefork below Moon Lake 1/	76	106	Apr-July		72
Yellowstone nr Altonah	64	96	Apr-July		67
Duchesne at Myton 1/	284	135	Apr-July		210
Whiterocks nr Whiterock	72	120	Apr-July		60
Uintah nr Neola	103	116	Apr-July		89
Duchesne at Randlett 1/	346	130	Apr-July		266
West Fork Duchesne at Hanna	33	127	Apr-July		26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	62	120	Apr-Sept		52
Black's Fork at Millburne	102	111	Apr-July		92
Flaming Gorge Inflow 1/	1450	112	Apr-July		1292
Ashley Creek nr Vernal	58	113	Apr-July		51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	8	287	137
LAKEFORK-YELLOWSTONE CREEKS	2	251	132
STRAWBERRY RIVER	5	333	137
UINTAH - WHITEROCKS RIVERS	1	300	150
ASHLEY CREEK	1	238	100
UPPER GREEN	4	213	167

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
ASHELY CREEK	Steinaker	3.3	24.4	23.9	19.0
GREEN RIVER	Flaming Gorge	3749.0	2783.0	3013.0	--
LAKE FORK	Moon Lake	35.8	14.6	13.8	15.0
STRAWBERRY	Starvation	165.3			
UINTAH	Bottle Hollow	11.3	11.1	11.3	9.8b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Brown Duck Ridge	1/1		12.2	6.0	7.5b
Currant Creek	1/1		4.6	0.1	4.0b
Daniels-Strawberry	1/1		9.2	2.0	5.6
Jackson Park					
Kings Cabin Upper	1/1		5.0	21	5.0b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Lakefork Mountain	1/1		5.4	2.0	5.8b
Mosby Mountain	1/1		6.3	2.1	4.2b
Rock Creek Randh	1/1		4.5	0.6	3.2a
Steel Creek Park	1/1		11.4	5.6	6.3a
Trout Creek	12/31	55	10.4	3.9	7.8

a - Maximum mean daily peak flow
b - Average of all past record - less than 15 years
e - Estimated

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WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

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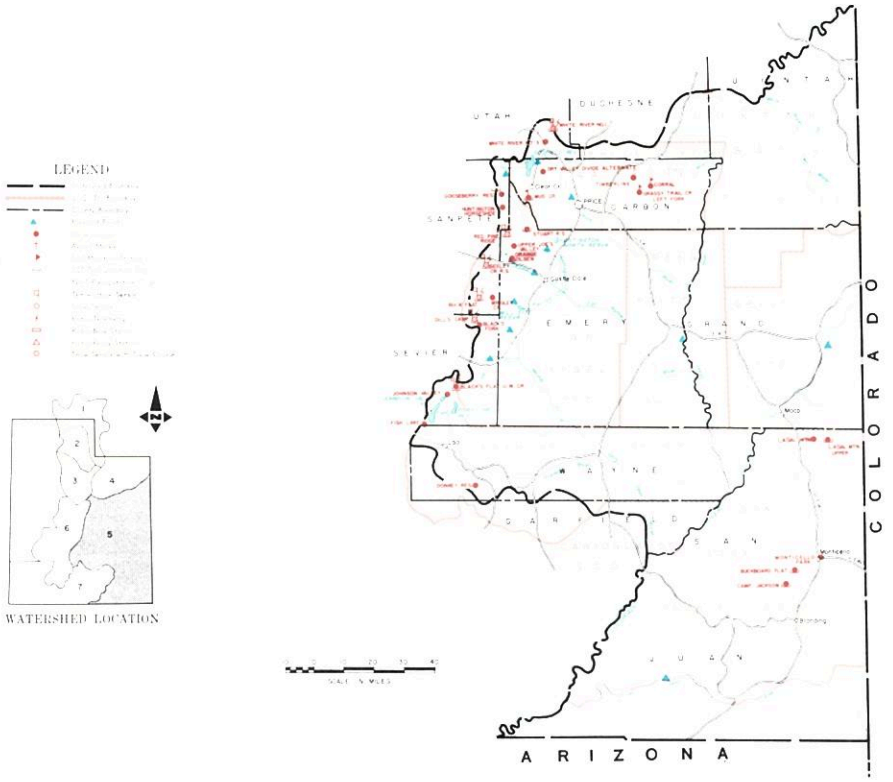
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



January 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER as of January 1 ranges from one-third average on Blue Mountains to 170% at Blacks Flat UM on Fremont River. Helicopter surveys were cancelled due to bad weather and most comparisons are based on SNOTEL radio data.

PRECIPITATION at mountain stations ranged from 150 to 185% for the October-December period with a very heavy accumulation in late December.

SOIL MOISTURE was improved greatly by good rains in October before snow began to accumulate and is now near average.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 83% of the April-July average on the San Juan to 141% for the Price River.

USDA-NRCS-WNTD AND OR 1980 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	13.0	130	Apr-July		10.1
Scofield Reservoir Inflow	49	138	Apr-July		36
Price nr Heiner 1/	90	141	Apr-July		
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	59	128	Apr-July		49b
Cottonwood Crk nr Orangeville	60	136	Apr-July		44b
Ferron Creek nr Ferron	42	124	Apr-July		34
MUDDY CREEK					
Muddy Creek nr Emery	21	124	Apr-July		16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3400	125	Apr-July		2716
Green at Green River, UT	3400	114	Apr-July		2974
Mill Creek nr Moab	5.4	106	Apr-July		5.1b
Navajo Reservoir Inflow	600	99	Apr-July		608
San Juan nr Bluff, UT	720	83	Apr-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.9	123	Apr-July		6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	1	424	134
SAN RAFAEL RIVER	3	656	150
FREMONT RIVER	1	912	170
LASAL MOUNTAINS	2	76	84
BLUE MOUNTAINS	2	87	33
MUDDY RIVER	1	--	159

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	32.5	48.5	33.7
SAN RAFAEL	Huntington North	3.9	1.6	2.6	1.7
	Joe's Valley	54.6	32.0	37.6	35.1b
	Mill Site	16.7	5.2	9.3	--
SAN JUAN	Navajo	1696.0	1235.0	1382.0	--

† - 1963-77 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron		
Muddy Creek near Emery		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	1/1		6.3	1.2	6.1b
Buckboard Flat	12/30	11	1.9	2.6	6.9
Camp Jackson	12/30	12	2.0	1.9	5.1
Dills Camp	1/1		7.3	0.4	4.6b
LaSal Mtn. (Lower)	12/29	13	2.2	3.4	3.6b
LaSal Mtn. (Upper)	12/29	27	5.3	6.5	5.5b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mammoth-Cottonwood R.S.	1/1		10.6	2.5	7.9
Monticello City Park	12/30	0	0.0		
Seeley Creek	1/1		8.9	2.0	6.2b
Red Pine Ridge	1/1		11.7	0.9	5.6b

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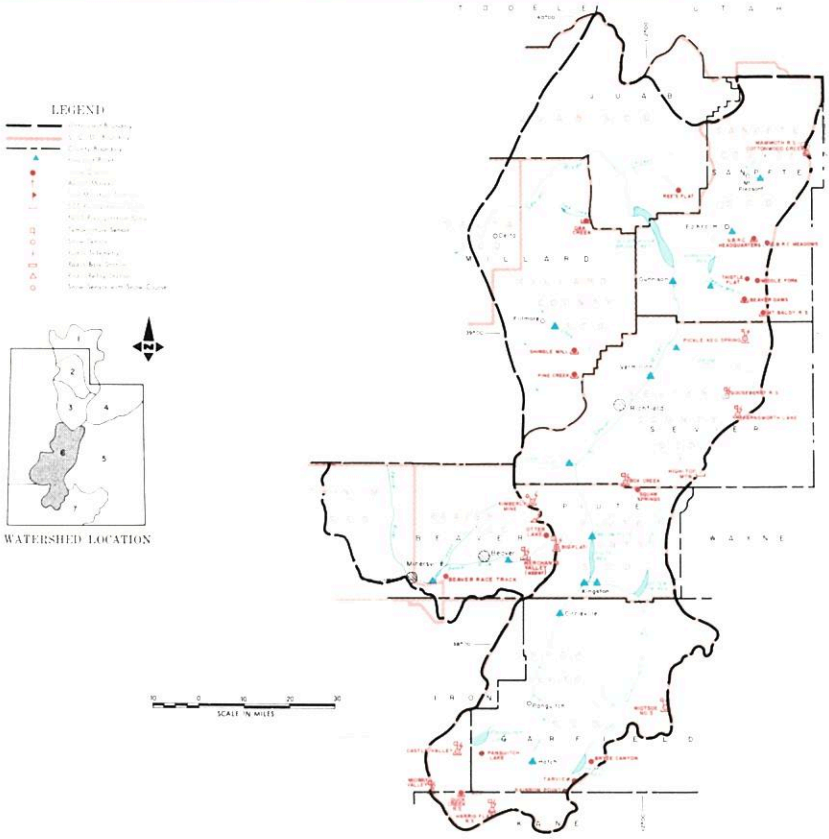
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



January 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges grom 106% of average on the South Fork Sevier to 150% for the Beaver River. The Lower Sevier is 121% and the East Fork 131% of the January 1 average. Helicopter surveys were cancelled due to prolonged bad weather. SNOTEL radio data is used for comparison where depth is not shown.

PRECIPITATION at mountain stations ranged from 58% of the October-December average for Long Flat to 171% for Beaver Dams.

SOIL MOISTURE is near average at higher elevations.

RESERVOIR STORAGE is above average even after heavy use last summer.

STREAMFLOW FORECASTS range from 90% of average on Clear Creek to 149% for Minersville inflow.

USDA SCS PORTLAND OR 1977 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
SEVIER RIVER					
Sevier at Hatch	45	110	Apr-July		41
Sevier nr Circleville	36	119	Apr-July		29
Sevier nr Kingston	22	96	Apr-July		23
Antimony Crk nr Antimony	8.4	115	Apr-July		6.9
East Fork Sevier nr Kingston1/	14	92	Apr-July		15.2
Sevier below Piute Dam	35	97	Apr-July		36
Clear Crk nr Sevier (abv Div)	17	90	Apr-July		17.8
Sigurd to Gunnison	30	115	Apr-July		
Kingston to Vermillion Dam	51	91	Apr-June		
Vermillion Dam to Gunnison	33	95	Mar-June		
Salina Creek at Salina	14	121	Apr-June		11.1
Sevier nr Gunnison	46	92	Apr-July		50
Chalk Creek nr Fillmore	22	136	Apr-July		16.3
Chicken Creek nr Levan	3.7	118	Apr-July		3.1
Oak Cr. nr Oak City	1.6	114	Apr-July		1.4
Ephraim Creek nr Ephraim	18.8	130	Apr-July		8.6
Pleasant Crk nr Mt. Pleasant	11.0	131	Apr-July		
Salt Creek nr. Nephi	14.4	118	Apr-July		12.2
Beaver nr Beaver	28	140	Apr-July		20
North Creek (Combined)	18.0	131	Apr-July		12.2b
Minersville Inflow	9.8	149	Apr-June		6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier		350	131
South Fork Sevier	4	298	106
LOWER SEVIER	4	279	121
BEAVER RIVER	2	244	150

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SEVIER RIVER	Gunnison	18.2	10.0e	--	9.7
	Otter Creek	52.5	36.0	48.0	26.0
	Piute	71.8	48.6	49.7	32.2
	Sevier Bridge	236.0	160.6	214.1	99.0
BEAVER RIVER	Minersville (Rky (Fd)	23.3	14.2	21.0	10.0

b - Average of all past record - less than 15 years
\+ - 1963-77 15 Year Average Period
e - Estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Sevier River at Hatch		
Sevier River nr Circleville		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		
Beaver River nr Beaver		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Big Flat	1/1		9.6	4.3	5.9b
Bryce Canyon	1/3	10	2.6	0.0	2.1
Castle Valley	1/6	28	4.7	1.4	5.6b
Duck Creek	1/6	24	4.3	1.2	5.2
Farnsworth Lake	1/1		10.2	4.7	8.0
Gooseberry R.S.	1/1		5.6	1.5	5.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Harris Flat	1/6	14	2.3	0.0	3.0
Kimberly Mine	1/1		5.1	2.9	6.2
Long Valley Junction	1/6	12	1.3	0.0	1.5
Merchants Valley Upper	1/1		6.5	2.3	4
Pickle Keg Springs	1/1		8.0	2.4	6.
Widtsoe-Escalante #3	1/1		5.1	2.4	4.5
Panguitch Lake	1/6	6	0.7	0.0	--

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

January 1, 1982

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO AVERAGE

SNOW COVER is below average in this area ranging from about 6% of average at SUSC Ranch to 87% at Long Valley Jct. Helicopter surveys were cancelled due to bad weather but will be flown February 1.

PRECIPITATION at mountain locations was also less than average with Tall Poles only 85% of the October-December average.

SOIL MOISTURE is below average in this area.

RESERVOIR STORAGE was not reported for local reservoirs.

STREAMFLOW FORECASTS range from 63% of average for Santa Clara to 115% for Lake Powell Inflow.

USDA-SCS PORTLAND, OR. 1980 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	35	72	Apr-June		
Santa Clara nr Pine Valley	5.0	63	Apr-June		
COAL CREEK					
Coal Creek nr Cedar City	16.8	101	Apr-July		16.7
UPPER COLORADO					
Lake Powell Inflow	8000	115	Apr-July		

2 - Provisional Flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
VIRGIN RIVER	1	--	77
PAROWAN CREEK	2	160	43

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
COLORADO	Lake Powell	25002.0	20120.0	22105.0	--
	Blue Mesa	829.5	340.0	558	

b - Average of all past record - less than 15 years
† - 1963-77 15 year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Coal Creek nr Cedar City		
Virgin nr Virgin		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	12/29	6	0.7	0.0	3.2b
Harris Flat	1/6	14	2.3	0.0	3.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	1/6	12	1.3	0.0	1.5
SUSC Ranch	12/29	3	0.2	0.0	3.4b
Tall Poles	12/29	15	3.3	2.5	6.0b

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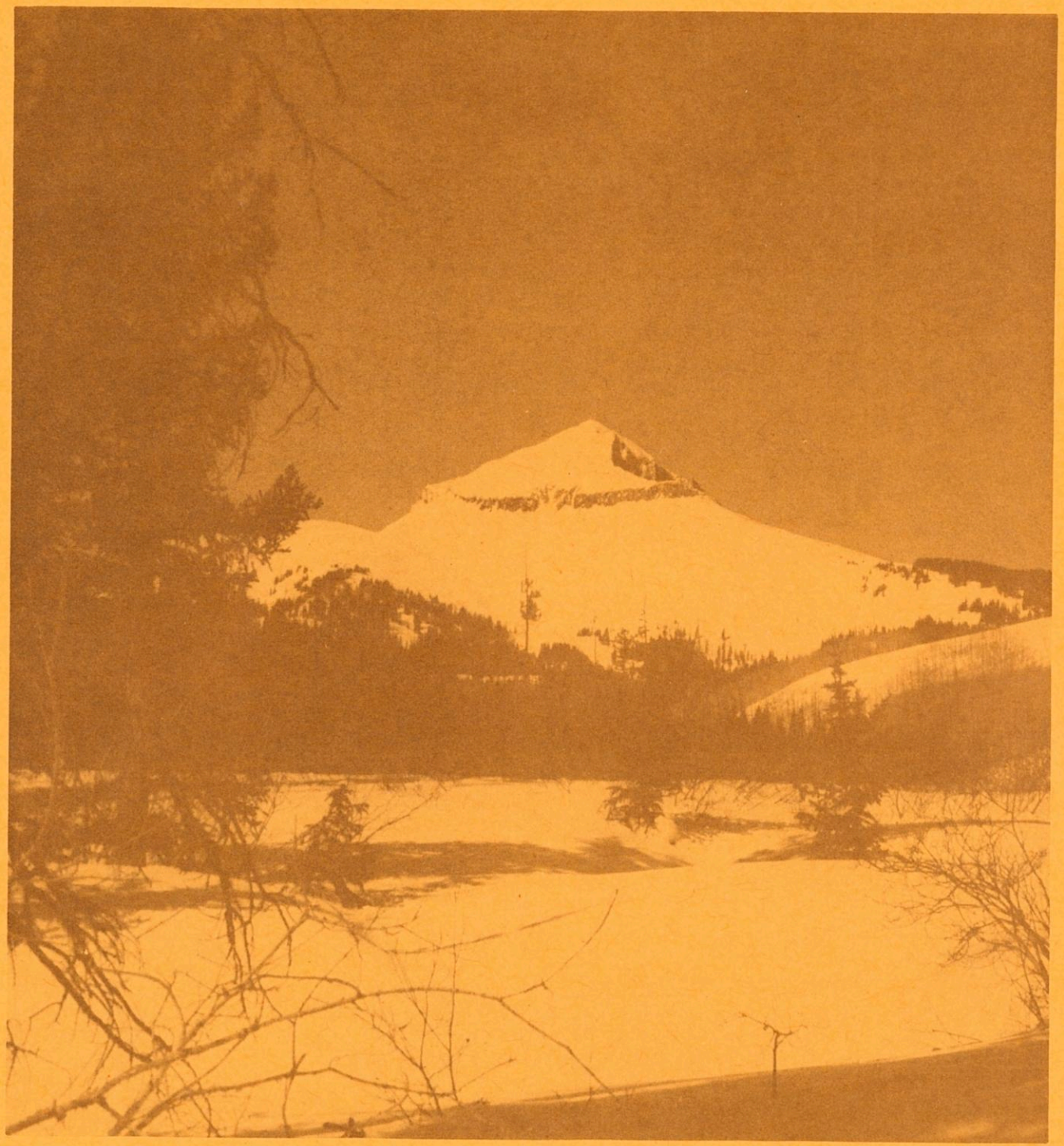
WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources



February 1, 1982

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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Report prepared by Snow Survey Staff

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Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147

PROSPECTIVE WATER SUPPLIES

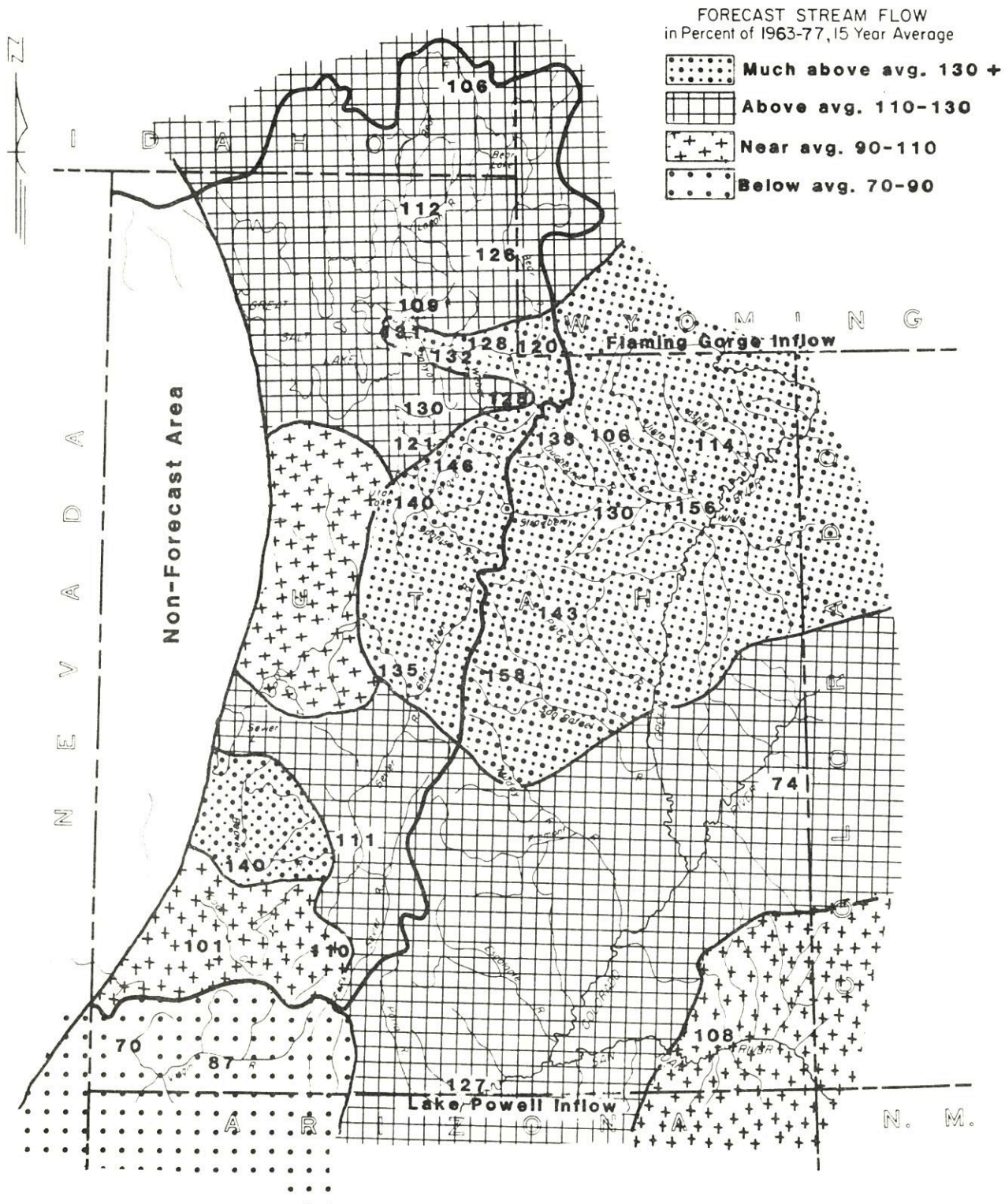
Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

February 1, 1982

Approximate Date

50 0 50 100

SCALE IN MILES



U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK

As Of February 1, 1982

* *
* Utah's Water Supply Outlook ranges from below average *
* in the Southern part of the state to above average in *
* the northern areas. Snow cover varies from 84% of *
* average on the Virgin River to 161% on the Muddy and *
* 144% on the Duchesne. Reservoir Storage is 106% of *
* average and streamflow forecasts range from 70% of *
* average on the Santa Clara to 166% for the Dushesne at *
* Myton. *
* *

SNOW COVER

Snow surveys made the last week of January now show basin snow cover ranges from below average (84%) on the Virgin River and Blue Mountain areas of Southern Utah to 161% on the Muddy and 147% on the San Rafael. Southern Utah areas, south of a line between Moab and about Parawan, have below average snow accumulations. Areas north of that line are above the February 1 average ranging from 132% on the Beaver, 120% on Fremont, 124% on the Lower Sevier, 141% on the Price, 136% on the Provo-Utah Lake, 144% on the Duchesne, 136% on Bear River, 129% on the Ogden, 128% on the Weber and 135% along the Salt Lake Front.

PRECIPITATION

Total precipitation at mountain stations for the October-January period has varied from 74% of average at Willow Flat on Cub River along the Idaho border to 184% at Orange Olsen near Joe's Valley Reservoir on Cottonwood Creek. Heavier than usual amounts of precipitation occurred during October and the end of December and early January improving most totals to above average for the water year to date.

SOIL MOISTURE

Most mountain watershed soils received above average moisture prior to snow accumulation in October which improved soil moisture in the top one to two feet to near average conditions. Southern Utah is not as good as the northern part of the state but still better than last year.

RESERVOIR STORAGE

Storage in 27 of Utah's key reservoirs was 106% of the February 1 average and 71% of useable capacity.

Bear Basin Reservoirs averaged 88% of average, Ogden Basin 116%, Weber Basin 109%, Provo Basin 114%, Duchesne Basin 111%, Price-San Rafael Basin 94%, and the Sevier Basin 150%.

The Great Salt Lake was 0.90 feet lower than last year on December 31, and Utah Lake was -0.98 feet below compromise.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW

Streamflow forecasts now range from 70% of the April-June average for the Santa Clara near Pine Valley in Southern Utah to 166% of the April-July average for the Duchesne at Myton in Uintah Basin.

Other forecasts are generally near average to above average except Mill Creek above Moab which was 74% of average and the Virgin River which is forecast 87% of average.

Streamflow during January averaged 102% for the seven key gaging stations according to the U. S. Geological Survey.

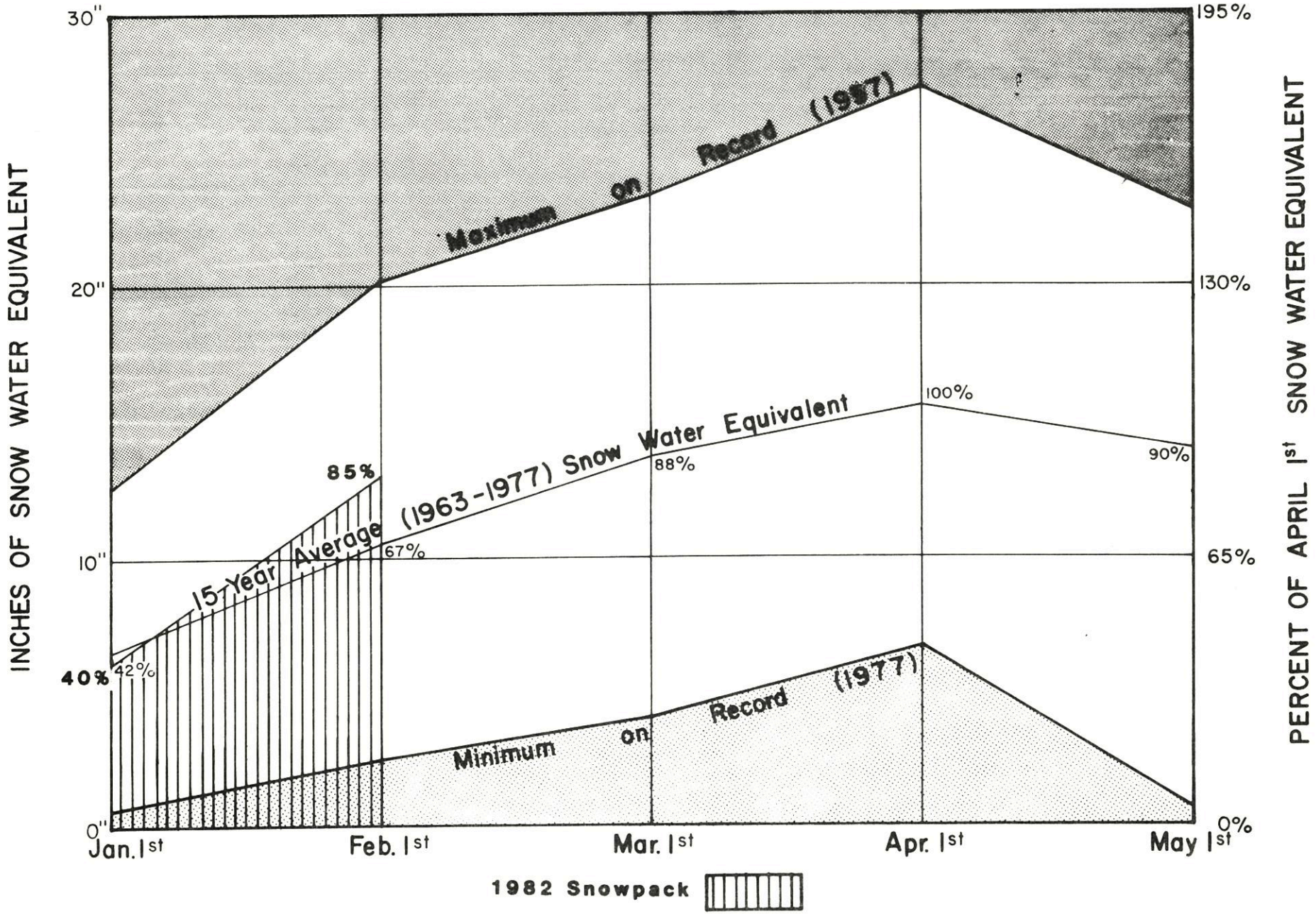
Peak flow forecasts will be issued beginning March 1 if flows are high enough to warrant a forecast. As of now streams are not expected to be high enough to cause problems unless extreme conditions of temperature or precipitation occur.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	904.3	1047.3	1026.5
	Woodruff Narrows	55.7	21.9	15.1	19.5
	Birch Creek	2.2			
	Woodruff Creek	4.0			
Beaver River	Minersville (RkyFd)	23.3	16.0	22.8	12.0
Little Bear	Hyrum	15.3	10.2	10.2	10.6
	Porcupine	11.3	1.9	5.2	3.0
Ogden	Causey	6.9	3.4	4.0	2.0[b]
	Pineview	110.1	59.7	59.3	52.2
Provo	Deer Creek	149.7	108.5	104.1	107.0
Settlement Creek	Settlement Creek	1.2	1.2	0.5	--
	Vernon Creek	0.6	0.3	0.5	--
Sevier River	Gunnison	18.2	13.4	18.2	11.7
	Otter Creek	52.5	39.6	52.5	29.6
	Piute	71.8	57.2	60.4	40.1
	Sevier Bridge	236.0	178.7	227.6	113.6
	Panguitch Lake	22.3			
Spanish Fork	Strawberry	270.0	174.2	213.2	150.8
Utah Lake	Utah Lake	883.9	792.0	874.4	683.1
Weber	East Canyon	48.1	33.3	36.3	27.6
	Echo	73.9	47.9	55.3	48.5
	Lost Creek	20.0	12.6	16.1	12.9
	Rockport	60.9	35.7	42.3	35.2
	Willard Bay	193.3	144.2	169.6	127.2[b]
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	21.9	25.5	20.5
Colorado	Blue Mesa	829.5	326.0	484.5	--
	Lake Powell	25002.0	19606.0	21853.0	--
Green	Flaming Gorge	3749.0	2747.0	3009.2	--
Lakefork	Moon Lake	35.8	16.6	15.3	16.8
Price River	Scofield	65.8	33.8	49.0	34.7
San Juan	Navajo	1696.0	1210.0	1300.0	--
San Rafael	Huntington North	3.9	1.7	1.8	2.4[b]
	Joe's Valley	54.6	33.3	37.3	36.0[b]
	Mill Site	16.7	5.9	9.8	--
Strawberry	Starvation	165.3	146.6	144.2	129.4[b]
Uintah	Bottle Hollow	11.3	11.3	11.3	9.8[b]

UTAH'S WINTER SNOWPACK

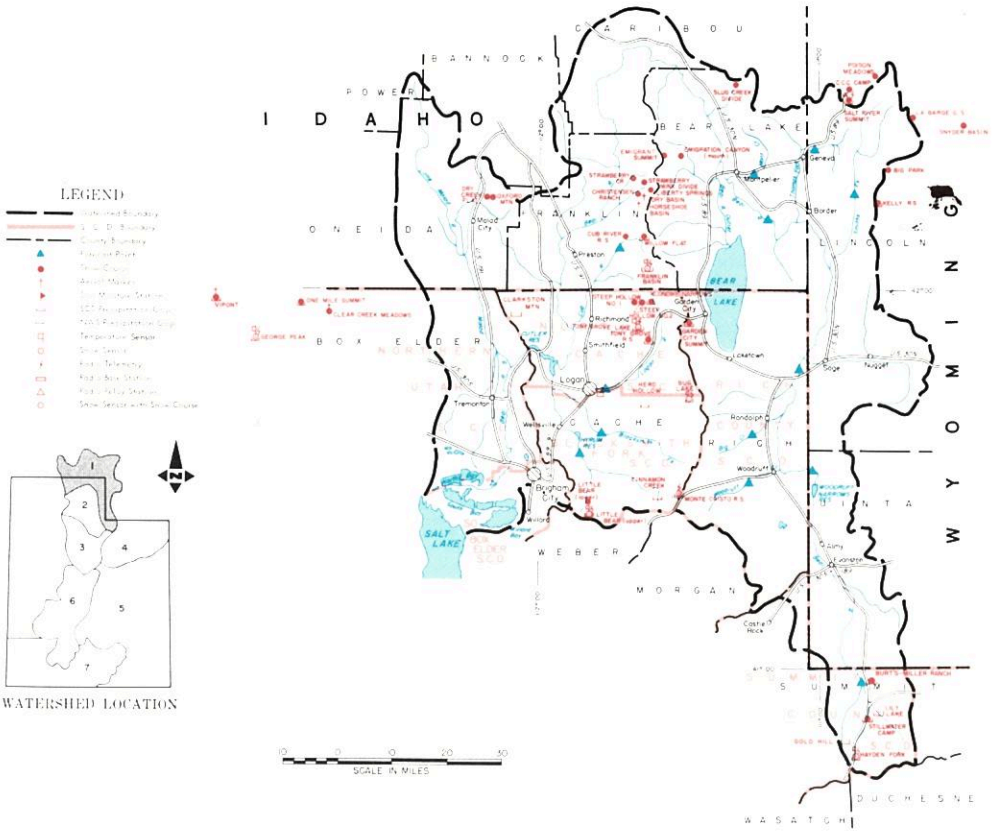
Data based on 79 selected snow courses



Soil Conservation Service, Salt Lake City, Utah

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 134% of the February 1 average on the Upper Bear and Logan Rivers to 136% on the Lower Bear. Individual snow courses range from 116% on Monte Cristo to 168% on Little Bear Lower.

PRECIPITATION at mountain stations ranges from 74% of average at Willow Flat to 164% at Salt River Summit for the October-January period. Salt River Summit was 133% of the January average.

SOIL MOISTURE is good at higher elevations.

RESERVOIR STORAGE is a little below average except in Woodruff Narrows which is 112% of the February 1 average. Bear Lake is 88% of average.

STREAMFLOW FORECASTS range from 94% of average for Woodruff Creek to 139% for Big Creek. Bear River is forecast 120% at State Line and 106% at Harer, Idaho. Logan River is forecast 112% for the April-July period.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	137	120	Apr-July	100	114
Bear nr Woodruff	188	126	Apr-July	121	148
Woodruff Crk nr Woodruff, UT	17.3	94	Apr-July	5.4	18.4b
Big Creek nr Randolph, UT	5.8	139	Apr-July	--	5.4b
Bear nr Randolph	146	121	Apr-July	60	120
Thomas Fork nr UT-WY State Ln	42	119	Apr-Sept	8.3	35
Smith's Fork nr Border, WY	133	111	Apr-Sept	60	120
Bear at Harer, Idaho 1/	353	106	Apr-Sept	105	332
Logan nr Logan 1/	132	112	Apr-July	67	118
Blacksmith Fork nr Hyrum	59	109	Apr-July	23	54
Little Bear nr Paradise	44	116	Apr-June	10.2	38
Cub River nr Preston, ID	56	112	Apr-Sept	--	52

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	20	365	136
UPPER BEAR RIVER	6	322	134
LOWER BEAR RIVER	14	381	136
LOGAN RIVER	7	410	134

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	904.3	1047.3	1026.5
	Woodruff Narrows	55.7	21.9	15.1	19.5
LITTLE BEAR	Hyrum	15.3	10.2	10.2	10.6
	Porcupine	11.3	1.9	5.2	3.0

+ - 1963-77 15 year Average Period
e - estimasted

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	1/27	23	5.0	1.9	--
Cub River R.S.	1/26	32	8.6	2.8	6.4
Emigrant Summit	1/28	80	24.5	7.1	17.0
Franklin Basin	1/26	64	21.2	5.2	17.8a
Hayden Fork	1/27	50	13.6	5.3	9.6b
Klondike Narrows	1/26	58	17.3	4.0	13.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	1/25	37	10.4	3.2	6.2
Little Bear Upper	1/25	40	11.3	3.3	8.7b
Monte Cristo	1/26	63	18.9	5.0	16.3
Salt River Summit	1/28	60	15.4	5.2	11.0
Stillwater Camp	1/27	39	10.5	3.3	7.2
Tony Grove R.S.	1/26	45	12.0	2.5	8.6

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
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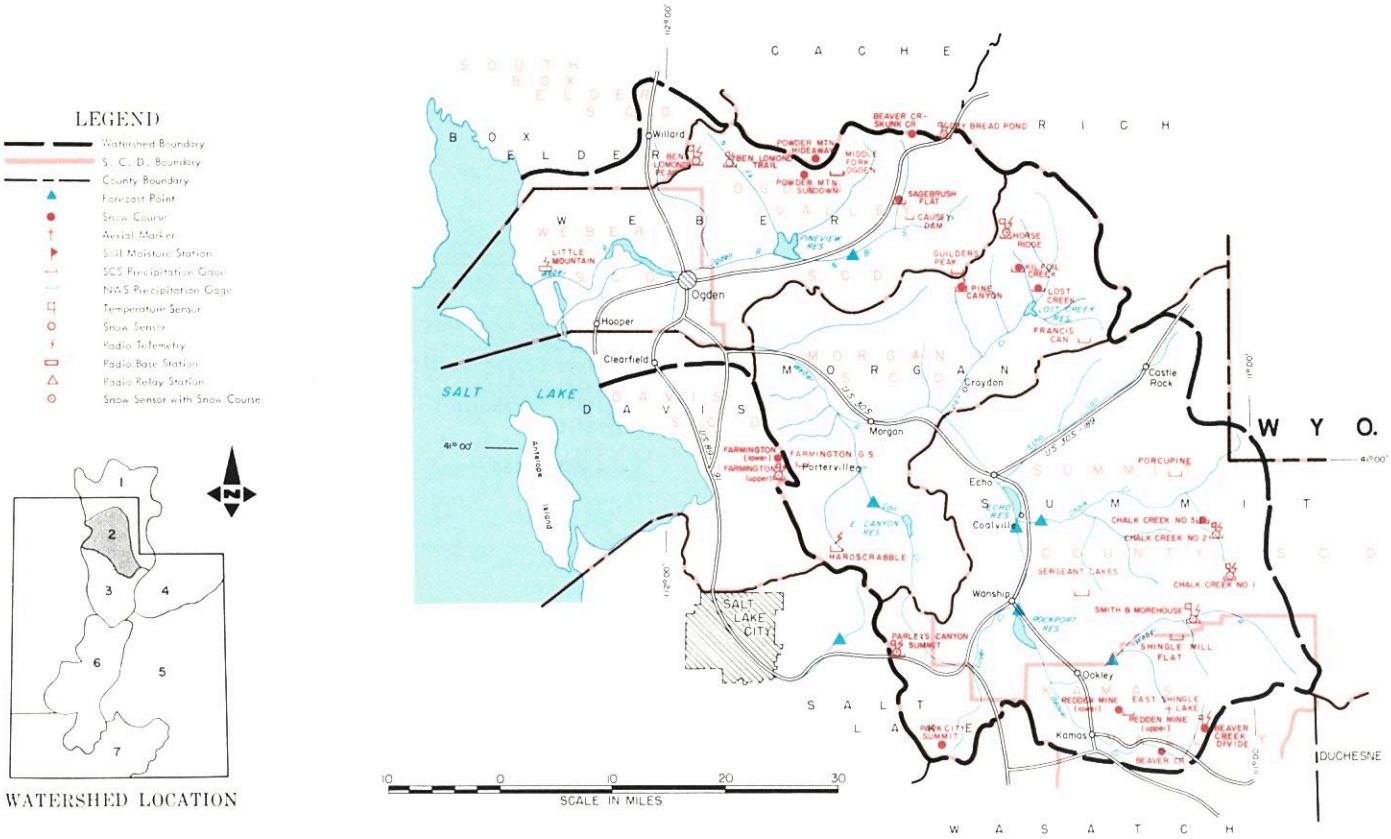

FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER averages 129% of the February 1 average on the Ogden Basin and 128% on the Weber Basin. Lower elevation snow pack is better on the Ogden watershed, while higher elevations are generally better on the Weber watershed.

PRECIPITATION at mountain stations varies from 84% of the October-January average at Ben Lomond Trail to 146% at Parley's Summit and 155% at Trial Lake.

SOIL MOISTURE is near average and better than last year.

RESERVOIR STORAGE is 116% of the February 1 average on the Ogden River and 109% on the Weber River.

STREAMFLOW FORECASTS now range from 104% of the April-June average on the South Fork of the Ogden to 132% for the Weber at Coalville. Lost Creek is forecast 105% and East Canyon 122% of average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	134	128	Apr-June	99	104
Rockport Reservoir Inflow 1/	143	128	Apr-June	106	112
Chalk Creek at Coalville	50	128	Apr-June	30	39
Weber nr Coalville	163	132	Apr-June	87	123
Lost Creek nr Croydon, UT	18.3	105	Apr-June	3.9	17.4b
East Canyon Creek nr Mogan 1/	31	122	Apr-June	11.4	26
Hardscrabble Crk nr Porterville	18.0	125	Apr-June	--	14.4e
South Fork Ogden nr Huntsville	59	104	Apr-June	19.9	57
Pineview Reservoir Inflow 2/	125	109	Apr-June	36	115
Echo Reservoir Inflow	208	130	Apr-June	109	160
Weber at Gateway	407	131	Apr-June	165	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	10.2	126	Apr-July	5.1	8.1b

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	456	129
WEBER RIVER	9	290	128

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
OGDEN	Causey	6.9	3.4	4.0	2.0b
	Pineview	110.1	59.7	59.5	52.2
WEBER	East Canyon	48.1	33.3	36.3	27.6
	Echo	73.9	47.9	55.4	48.5
	Lost Creek	20.0	12.6	16.1	12.9
	Rockport	60.9	35.7	42.3	35.2
	Willard Bay	193.3	144.2	169.6	127.2b

+ - 1958-72 15 year Average Period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (inches)	THIS YEAR Water Content (inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Beaver Creek R.S.	1/27	30	8.6	3.9	5.9
Beaver Creek-Skunk Creek	1/25	38	11.0	2.2	8.3
Ben Lomond Peak	1/25	88	27.0	7.1	22.4b
Ben Lomond Trail	1/25	65	17.8	3.7	12.4b
Chalk Creek #1	1/27	76	21.4	8.0	13.6a
Chalk Creek #2	1/27	51	13.1	5.8	9.7
Chalk Creek #3	1/27	29	7.0	3.0	5.4
Dry Bread Pond	1/25	47	14.0	3.6	12.2

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (inches)	THIS YEAR Water Content (inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Horse Ridge	1/25	65	18.2	4.4	15.0a
Lost Creek Reservoir	1/25	25	6.8	--	--
Monte Cristo	1/26	63	18.9	5.0	16.3
Parleys Canyon Summit	1/29	55	14.6	4.9	12.7
Sagebrush Flat	1/25	26	6.9	0.2	4.1
Smith & Morehouse	1/27	41	11.5	4.3	8.9
Trial Lake	1/27	83	22.8	10.0	15.6

e - estimated

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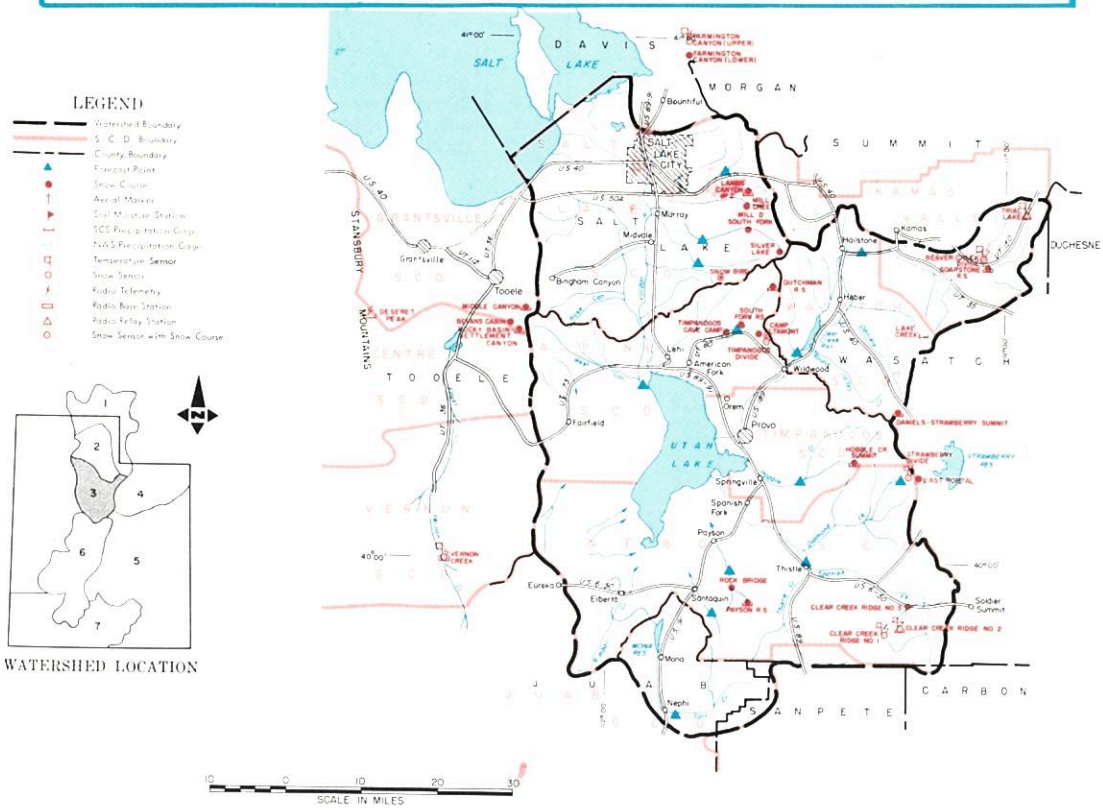
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 102% of average in Tooele Valley to 136% for Provo River-Utah Lake drainage. The Salt Lake front streams are 135% of the February 1 average. Individual measurements range from 93% at Middle Canyon above Tooele to 176% at South Fork Ranger Station above American Fork.

PRECIPITATION at mountain stations for the October-January period ranged from 127% of average at Timpanogos Divide to 195% at Middle Canyon. Almost 6 inches of this fell in October.

SOIL MOISTURE is near average in the top 1 to 2 feet of soil.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 109% of the April-July average for Settlement Creek above Tooele to 153% for Hobble Creek near Springville. Adequate water supplies are expected for all uses this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST (Thousand Acre Feet)	THIS YEAR FORECAST (Percent of Average)	FORECAST PERIOD	PAST RECORD (THOUSAND ACRE FEET) Last Year	PAST RECORD (THOUSAND ACRE FEET) Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	149	146	Apr-July		102
Provo below Deer Creek Dam 1/	175	146	Apr-July		120
American Fork nr American Fork	43	139	Apr-July		31
Hobble Creek nr Springville	27	153	Apr-July		19.7[b]
Strawberry Reservoir Inflow 1/	78	149	Apr-July	17.4	52
Spanish Fork at Thistle	55	141	Apr-July		39
Payson Creek nr Payson	8.0	127	Apr-July		
Utah Lake Inflow	341	140	Apr-July		244
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	46	121	Apr-July		38
Big Cottonwood nr SLC	48	126	Apr-July		38
Parley's Creek nr SLC	20	130	Apr-July		15.4
Mill Creek nr SLC	8.6	137	Apr-July		6.3
Emigration Creek nr SLC	5.0	125	Apr-July		4.9
City Creek nr SLC	9.7	121	Apr-July		10.7
So. Willow Ck. nr Grantsville	3.4	117	Apr-July	1.7	2.9
TOOELE VALLEY					
Vernon Creek nr Vernon	1.1	110	Mar-June	1.0	1.0
Settlement Crk nr Tooele	2.5	109	Apr-July		2.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Bevins Cabin					
Camp Altamont	1/30	45	13.8	9.2	10.2
Clear Creek #1	1/29	53	16.0	3.9	11.2[b]
Clear Creek #2	1/29	48	13.5	4.0	9.6[b]
Clear Creek #3	1/29	29	7.2	2.2	5.5
Daniels-Strawberry Summit	1/29	42	12.5	2.4	10.0
Desert Peak	2/1	63	21.8		--
Dutchman R.S.	1/30	56	19.0	8.0	12.9
Hobble Creek Summit	1/29	48	13.9	3.5	9.6
Lambs Canyon #2	1/29	57	16.4	4.4	11.1[a]
Middle Canyon	1/29	31	8.6	3.7	9.2
Mill Creek	1/26	57	15.4	4.5	--

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	13	252	136
JORDON RIVER & SALT LAKE	5	284	135
TOOELE VALLEY	2	298	102

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction
a-Partly estimated

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SPANISH FORK	Strawberry	270.0	174.2	213.2	150.8
UTAH LAKE	Utah Lake	883.9	792.0	874.4	683.1
	Settlement Creek	1.2	1.2	0.5	--
	Vernon Creek	0.6	0.3	0.5	--
PROVO	Deer Creek	149.7	108.5	104.1	107.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mill D South Fork	1/28	64	19.0	4.9	13.2
Parleys Canyon Summith	1/29	55	14.6	4.9	12.7
Payson R.S.	1/25	52	13.4	4.1	12.2
Rocky Basin-Seetlement Canyon	2/1	62	19.1	--	--
Silver Lake Brighton	1/28	73	24.2	7.4	15.8
Soapstone R.S.	1/27	45	11.8	3.8	8.6
South Fork R.S.	1/28	25	7.9	3.3	4.5
Timpanogos Divide	1/30	62	20.0	11.2	16.9
Trial Lake	1/27	83	22.8	10.0	15.6
Vernon Creek	1/30	32	8.4	2.0	7.5[b]

a - Partly estimated
e - Estimated

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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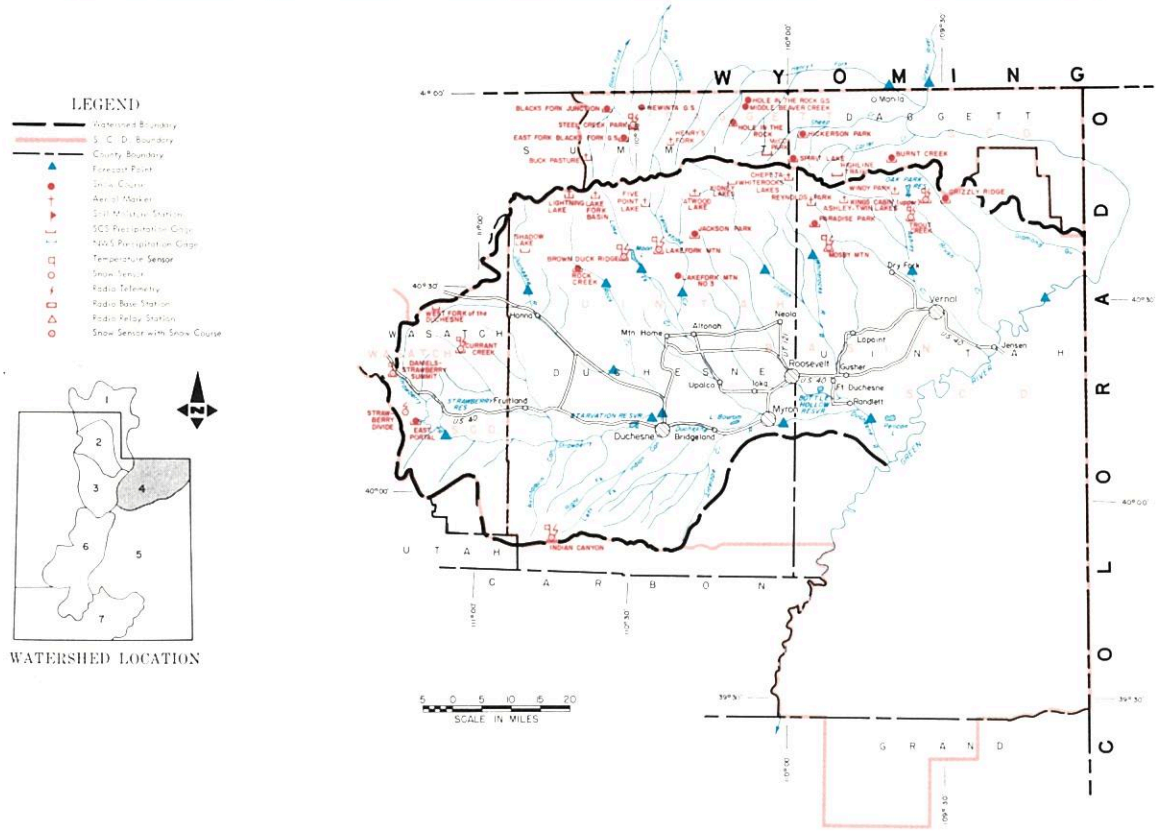

FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from average on Ashley Creek to 156% of average on Black's Fork and 155% on Lakefork-Yellowstone Creeks. Individual courses range from 194% of average at Brown Duck Ridge to 105% at Moseby Mountain.

PRECIPITATION at mountain stations for the October-January period varies from 129% of average at Moseby Mountain to 183% at East Portal near Strawberry Reservoir.

SOIL MOISTURE is better than average in the top one to two feet of soil.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 101% of the April-Sept average for Henry's Fork to 166% of the April-July average for the Duchesne at Myton. Lakefork is forecast 106% and Ashley Creek 114% of the April-July average.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average*	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	145	135	Apr-July	73	107
Duchesne at Duchesne 1/	251	130	Apr-July	83	193
Strawberry at Duchesne	76	133	Apr-July	24	57
Rock Creek nr Mtn. Home	120	125	Apr-July	68	95
Currant Creek nr Fruitland	29	143	Apr-July	11.0	20
Lakefork below Moon Lake 1/	76	106	Apr-July	64	72
Yellowstone nr Altonah	74	110	Apr-July	46	67
Duchesne at Myton 1/	348	166	Apr-July	70	210
Whiterocks nr Whiterock	73	121	Apr-July	44	60
Uintah nr Neola	104	116	Apr-July	70	89
Duchesne at Randlett 1/	416	156	Apr-July	107	266
West Fork Duchesne at Hanna	36	138	Apr-July	15.4	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	53	101	Apr-Sept	17.9	52
Black's Fork at Millburne	110	120	Apr-July	87	92
Flaming Gorge Inflow 1/	1600	124	Apr-July		1292
Ashley Creek nr Vernal	58	114	Apr-July	35	51

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Brown Duck Ridge	1/28	70	18.5	7.9	9.5[a]
Currant Creek	1/29	33	8.4	0.3	7.3[b]
Daniels-Strawberry	1/29	42	12.5	2.4	10.0
Hewinta G. S.	1/28	33	8.5	3.0	
Hickerson Park	1/28	22	4.3	4.1	
Jackson Park	1/28	49	11.3	6.5	7.4[a]
Kings Cabin Upper	1/28	31	7.5	4.7	7.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	12	284	144
LAKEFORK-YELLOWSTONE CREEKS	4	195	155
STRAWBERRY RIVER	3	585	132
UINTAH - WHITEROCKS RIVERS	2	178	123
ASHLEY CREEK	1	160	100
UPPER GREEN	1	207	156

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
ASHELY CREEK	Steinaker	33.3	21.9	25.5	20.5
GREEN RIVER	Flaming Gorge	3749.0	2747.0	3009.2	--
LAKE FORK	Moon Lake	35.8	16.6	15.3	16.8
STRAWBERRY	Starvation	165.3	146.6	144.2	129.4[b]
UINTAH	Bottle Hollow	11.3	11.3	11.3	9.8[b]

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Lakefork Mountain	1/28	38	9.0	4.8	6.8
Mosby Mountain	1/28	27	6.6	3.8	6.3
Paradise Park	1/28	43	11.4	6.3	8.3
Rock Creek Ranch	1/28	24	6.1	2.5	3.7[a]
Spirit Lake	1/28	41	10.3	7.8	
Steel Creek Park	1/28	56	14.7	7.1	9.4[a]
Strawberry Divide	1/29	58	18.3	4.0	12.4
Trout Creek	1/28	32	66	5.1	

e - Estimated

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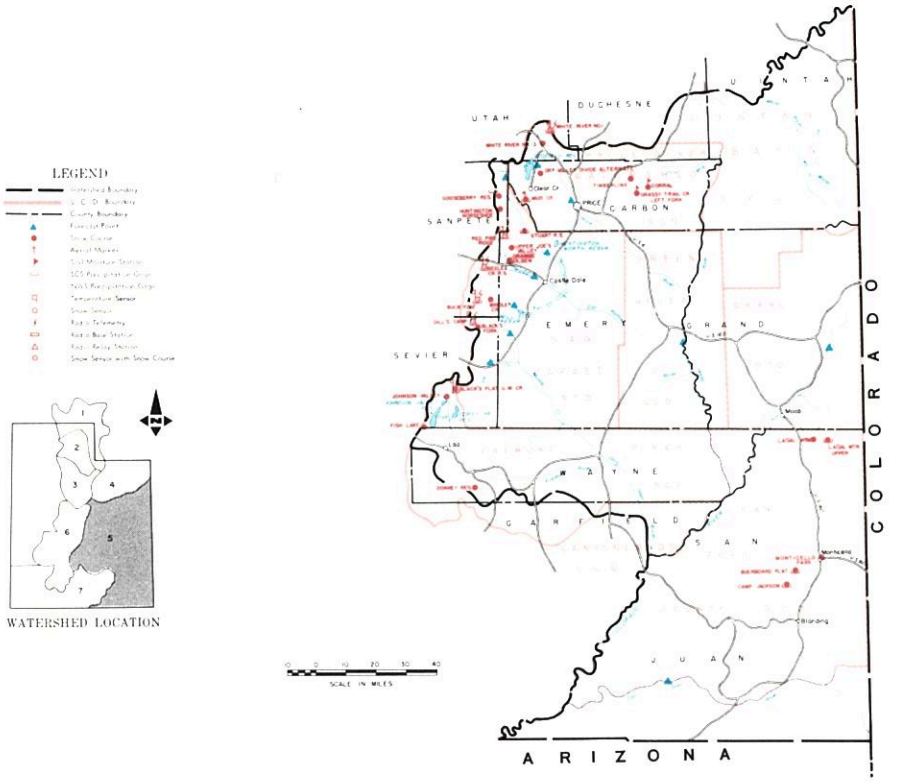
WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER ranges from 84% of average on the Blue Mountains above Monticello and Blanding to 147% on the San Rafael River. Individual measurements vary from 74% at LaSal Mountain lower to 167% at Wrigley Creek.

PRECIPITATION at mountain stations for the October-January period ranged from 105% at Fish Lake to 184% at Orange Olsen near Joe's Valley Reservoir.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 74% for Mill Creek above Moab to 158% for Cottonwood Creek near Orangeville. Adequate water supplies are expected for all areas except possibly in late season on Mill Creek. Storage in Ken's Lake should reduce this late season shortage.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST (Thousand Acre Feet)	THIS YEAR FORECAST (Percent of Average)	FORECAST PERIOD	PAST RECORD (THOUSAND ACRE FEET) Last Year	PAST RECORD (THOUSAND ACRE FEET) Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	13.5	135	Apr-July		10.1
Scofield Reservoir Inflow	52	146	Apr-July		36
Price nr Heiner 1/	94	143	Apr-July		64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	66	143	Apr-July		46[b]
Cottonwood Crk nr Orangeville	70	158	Apr-July	31	44[b]
Ferron Creek nr Ferron	51	150	Apr-July	21	34
MUDDY CREEK					
Muddy Creek nr Emery	25	148	Apr-July	9.1	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3650	134	Apr-July		2716
Green at Green River, UT	3750	126	Apr-July		2975
Mill Creek nr Moab	3.8	74	Apr-July	2.1	5.1[b]
Navajo Reservoir Inflow	680	112	Apr-July		608
San Juan nr Bluff, UT	884	102	Apr-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.2	112	Apr-July	4.8	6.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	1/28	52	15.2	1.6	10.2
Buckboard Flat	1/28	24	5.5	2.1	7.1[e]
Camp Jackson	1/28	27	6.6	1.1	7.3[e]
Dills Camp	1/28	39	10.9	0.9	7.0[b]
Dry Valley Divide Alternate	1/29	33	9.2	0.5	7.2
Huntington-Horseshoe	1/28	61	22.5	5.4	14.8[b]

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	3	807	141
SAN RAFAEL RIVER	6	708	147
FREMONT RIVER	3	784	120
LASAL MOUNTAINS	2	141	100
BLUE MOUNTAINS	2	378	84

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	33.8	49.0	34.7
SAN RAFAEL	Huntington North	3.9	1.7	1.8	2.4[b]
	Joe's Valley	54.6	33.3	37.3	36.0[b]
	Mill Site	16.7	5.9	9.8	--
	Ken's Lake	2.7	1.5	--	--
SAN JUAN	Navajo	1696.0	1210.0	1300.0	--

+ - 1963-77 15 Year Average Period
b - Average of all past record - less than 15 years

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mammoth-Cottonwood R.S.	1/28	59	18.9	3.4	13.2
Monticello City Park	1/29	5	0.5	0.0	--
Mud Creek	1/28	48	13.4	1.3	8.8
Seeley Creek	1/28	33	10.9	2.2	9.3[b]
White River #1	1/29	42	12.1	2.5	8.6
White River #3	1/29	29	8.7	0.2	--

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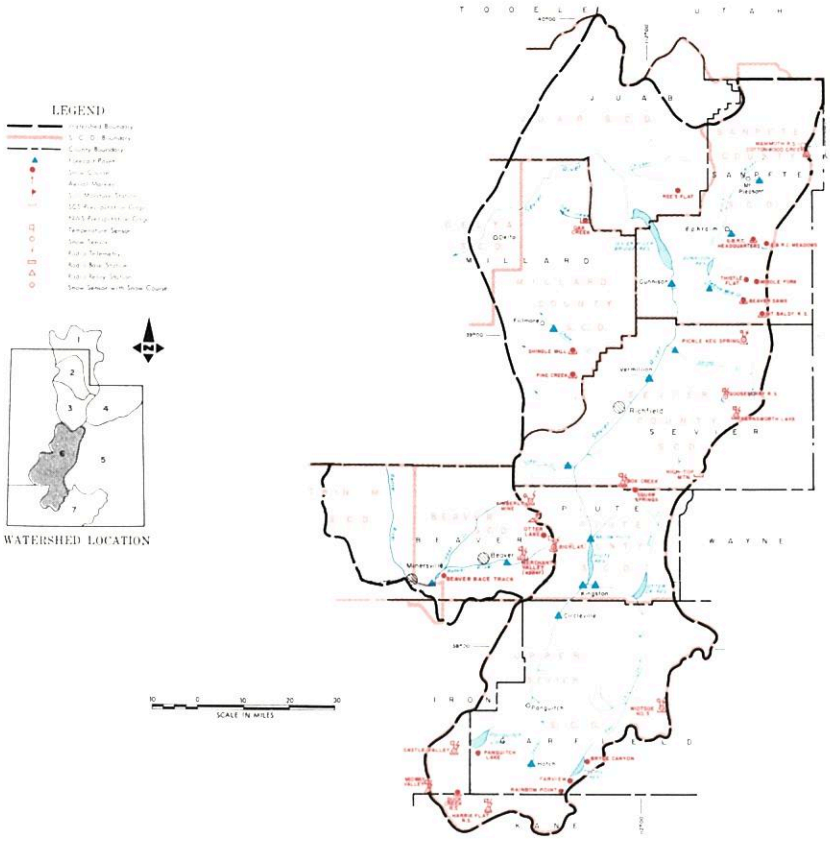
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 94% of the February 1 average on the South Fork Sevier to 135% on the East Fork. The Lower Sevier is 124% and Beaver River is 132% of the February 1 average.

PRECIPITATION at mountain stations for the October-January period has ranged from 128% of average at Merchant Valley on the Beaver to 178% at G.B.R.C. Majors on the San Pitch.

SOIL MOISTURE is near average at higher elevations.

RESERVOIR STORAGE is above average. Sevier River reservoirs are 150% of average and Minersville is 133% of the February 1 average.

STREAMFLOW FORECASTS range from 106% of the April-July average for Clear Creek to 150% for Minersville Inflow on the Lower Beaver. Water users in this area can expect adequate water supplies this year if the next two to three months have near normal snow accumulation.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
SEVIER RIVER					
Sevier at Hatch	45	110	Apr-July		41
Sevier nr Circleville	30	125	Apr-July		29
Sevier nr Kingston	25	109	Apr-July		23
Antimony Crk nr Antimony	9.0	123	Apr-July		6.9
East Fork Sevier nr Kingston1/	17.0	112	Apr-July		15.2
Sevier below Piute Dam	40	111	Apr-July		36
Clear Crk nr Sevier (abv Div)	20	106	Apr-July		17.8
Sigurd to Gunnison	32	123	Apr-July		
Kingston to Vermillion Dam	64	114	Apr-June		56
Vermillion Dam to Gunnison	44	127	Mar-June		35
Salina Creek at Salina	15.0	129	Apr-June		11.1
Sevier nr Gunnison	58	116	Apr-July		50
Chalk Creek nr Fillmore	20	123	Apr-July		16.3
Chicken Creek nr Levan	4.2	135	Apr-July	1.4	3.1
Oak Cr. nr Oak City	1.5	107	Apr-July	0.9	1.4
Ephraim Creek nr Ephraim	18.8	130	Apr-July		8.6
Pleasant Crk nr Mt. Pleasant	11.0	131	Apr-July		
Salt Creek nr. Nephi	14.2	116	Apr-July		12.2
Beaver nr Beaver	28	140	Apr-July	19.3	20
North Creek (Combined)	18.4	135	Apr-July		13.7
Minersville Inflow	9.9	150	Apr-June		6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	4	809	135
South Fork Sevier	5	378	94
LOWER SEVIER	9	337	124
BEAVER RIVER	3	308	132

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SEVIER RIVER	Gunnison	18.2	13.4	18.2	11.7
	Otter Creek	52.5	39.6	52.5	29.6
	Piute	71.8	57.2	60.4	40.1
	Sevier Bridge	236.0	178.7	227.6	113.6
BEAVER RIVER	Minersville (Rky (Fd)	23.3	16.0	22.8	12.0

b - Average of all past record - less than 15 years
+ - 1963-77 15 Year Average Period
e - Estimated

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Big Flat	1/26	52	14.2	5.0	10.0
Bryce Canyon	1/30	17	3.9	0.0	3.0
Castle Valley	1/26	33	7.1	2.5	7.5[a]
Duck Creek	1/26	34	7.4	0.0	8.0
Farnsworth Lake	1/27	52	14.5	5.7	11.8
Gooseberry R.S.	1/27	29	7.3	2.8	7.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Harris Flat	1/26	23	5.2	0.0	5.3
Kimberly Mine	1/25	43	10.6	4.4	9.5[b]
Long Valley Junction	1/26	16	3.4	0.0	3.2
Merchants Valley Upper	1/26	34	8.9	2.8	7.5[b]
Midway Valley	1/27	40	10.1	3.8	12.7
Otter Lake	1/26	38	9.7	2.9	7.5
Pickle Keg Springs	1/28	45	12.4	2.9	10.5
Widtsoe-Escalante #3	1/26	37	8.2	2.9	6.4

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO AVERAGE

SNOW COVER is generally below average in this area and ranges from 62% of the February 1 average in the Enterprise-New Harmony area to 96% on Parowan Creek. The Virgin River is 84% and Coal Creek is 90% of average.

PRECIPITATION at mountain stations for the October-January period has been about 15 to 20% above average with a good portion coming in the last two months as snow.

SOIL MOISTURE is below average.

RESERVOIR STORAGE was not reported for local reservoirs.

STREAMFLOW FORECASTS range from 70% of the April-June average on the Santa Clara to 101% on Coal Creek and 127% for Lake Powell Inflow. Virgin River is forecast 87% of average at Hurricane. Water users in this area may experience some shortages after mid-season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	42	87	Apr-June		48.5
Santa Clara nr Pine Valley	5.5	70	Apr-June		4.1
COAL CREEK					
Coal Creek nr Cedar City	16.8	101	Apr-July		16.7
UPPER COLORADO					
Lake Powell Inflow	8,800	127	Apr-July		6952

2 - Provisional Flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	1	413	107
VIRGIN RIVER	3	474	84
PAROWAN CREEK	3	283	96
ENTERPRISE - NEW HARMONY	1		62

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
COLORADO	Lake Powell	25002.0	19606.0	21853.0	--
	Blue Mesa	829.5	326.0	484.5	

b - Average of all past record - less than 15 years
† - 1963-77 15 year Average Period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	1/28	18	4.5	0.3	4.3[b]
Brian Head	1/27	48	11.6	4.5	12.4[b]
Harris Flat	1/26	23	5.2	0.0	5.3
Kolob-Crystal	1/27	44	9.5	2.3	13.3[b]
Little Grassy	1/27	19	4.1	0.0	--
Long Flat	1/27	13	2.9	0.0	4.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	1/26	16	3.4	0.0	3.2
SUSC Ranch	1/28	23	6.2	1.5	5.8[b]
Tall Poles	1/28	32	8.2	3.8	8.5[b]
Webster Flat	1/27	39	9.4	2.4	10.2
Yankee Reservoir	1/27	23	5.0	1.0	--

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches): Last Year	PAST RECORD: Water Content (Inches): Average †
GREAT BASIN					
UPPER BEAR RIVER (Above Harer, Idaho)					
Burts-Miller Ranch	1/27	23	5.0	1.9	
CCC Camp	1/28	45	11.0	3.4	8.6
Hayden Fork	1/27	50	13.6	5.3	9.6[b]
Monte Cristo R.S.	1/26	63	18.9	5.0	16.3
Salt River Summit	1/28	60	15.4	5.2	11.0
Stillwater Camp	1/27	39	10.5	3.3	7.2
Lily Lake	1/27	50	12.8	3.3	8.8[a]
LOWER BEAR RIVER (Below Harer, Idaho)					
Bug Lake	1/26	64	18.8	5.3	13.1[b]
Cub River R.S.	1/26	32	8.6	2.8	6.4
Emigrant Summit	1/28	80	24.5	7.1	17.0
Franklin Basin	1/26	64	21.2	5.2	17.8[a]
Garden City Summit	1/26	50	14.7	3.9	11.6
Klondike Narrows	1/26	58	17.3	4.0	13.0
Little Bear (lower)	1/25	37	10.4	3.2	6.2
Little Bear (upper)	1/25	40	11.3	3.3	8.7[b]
Slug Creek Divide	1/27	51	15.5	4.4	11.5
Steep Hollow #1	1/26	99	33.0	8.2	23.3
Steep Hollow #2	1/26	67	21.0	6.0	17.1
Tony Grove Lake	1/26	100	31.8	7.0	21.5[b]
Tony Grove R.S.	1/26	45	12.0	2.5	8.6
Willow Flat	1/26	49	14.2	3.8	10.9
OGDEN RIVER					
Beaver Creek-Skunk Creek	1/25	38	11.0	2.2	8.3
Ben Lomond Peak	1/25	88	27.0	7.1	22.4[b]
Ben Lomond Trail	1/25	65	17.8	3.7	12.4[b]
Causey Dam					
Dry Bread Pond	1/25	47	14.0	3.6	12.2
Sagebrush Flat	1/25	26	6.9	0.2	4.1
WEBER RIVER					
Beaver Creek R.S.	1/27	30	8.6	3.9	5.9
Chalk Creek #1	1/27	76	21.4	8.0	13.6[a]
Chalk Creek #2	1/27	51	13.1	5.8	9.7
Chalk Creek #3	1/27	29	7.0	3.0	5.4
East Shingle Lake (A)					
Farmington Canyon (lower)	1/25	63	16.6	5.6	14.0[b]
Farmington Canyon (upper)	1/25	79	23.0	6.3	19.5[b]
Farmington G.S.					
Hardscrabble	1/25	50	15.1		
Horse Ridge	1/25	65	18.2	4.4	15.0[a]
Kilfoil Creek	1/25	49	12.3	3.7	
Lost Creek Reservoir	1/25	25	6.8		
Park City Summit	1/27	94	33.0	8.6	
Parley's Canyon Summit	1/29	55	14.6	4.9	12.7
Pine Canyon	1/25	50	13.9		
Redden Mine (lower)	1/27	53	14.7	5.5	
Smith & Morehouse	1/27	41	11.5	4.3	8.9
Sargeant Lake (A)				1.3	
PROVO RIVER & UTAH LAKE					
Beaver Creek Divide	1/27	46	11.8	5.4	8.9[b]
Camp Altamont	1/30	45	13.8	9.2	10.2
Clear Creek Ridge #1	1/29	53	16.0	3.9	11.2[b]
Clear Creek Ridge #2	1/29	48	13.5	4.0	9.6[b]
Clear Creek Ridge #3	1/29	29	7.2	2.2	5.5
Dutchman R.S.	1/30	56	19.0	8.0	12.9
Hobble Creek Summit	1/29	48	13.9	3.5	9.6
Payson R.S.	1/25	52	13.4	4.1	12.2
Soapstone R.S.	1/27	45	11.8	3.8	8.6
South Fork R.S.	1/28	25	7.9	3.3	4.5
Timpanogos Cave Camp	1/28	9	2.8	0.4	2.3
Timpanogos Divide	1/30	62	20.0	11.2	16.9
Trial Lake	1/27	83	22.8	10.0	15.6

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average †	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average †	FROM APPROX. OCT 1 TO DATE: Percent of Average
GREAT BASIN						
UPPER BEAR RIVER (Above Harer, Idaho)						
Burts-Miller Ranch	1/27			9.50		
CCC Camp						
Hayden Fork	1/27	6.10[a]		19.93		
Monte Cristo R.S.	1/26	8.90[a]	6.10[b]	21.61	17.12	126
Salt River Summit	1/28	5.56	4.18	18.06	11.35	164
Stillwater Camp	1/27			14.31		
Lily Lake	1/27	5.60[a]		15.50[a]		
LOWER BEAR RIVER (Below Harer, Idaho)						
Bug Lake	1/26			19.60[a]		
Cub River R.S.						
Emigrant Summit						
Franklin Basin	1/26	10.30[a]		29.10[a]		
Garden City Summit	1/26		4.27	11.06	12.33	90
Klondike Narrows	1/26		5.49[b]	20.21	15.41[b]	131
Little Bear (lower)						
Little Bear (upper)	1/25			21.60[a]		
Slug Creek Divide						
Steep Hollow #1						
Steep Hollow #2						
Tony Grove Lake	1/26	6.10[a]		24.50[a]		
Tony Grove R.S.	1/26			22.60		
Willow Flat	1/26		5.0[b]	11.15	15.14	74
OGDEN RIVER						
Beaver Creek-Skunk Creek						
Ben Lomond Peak	1/25			35.30[a]		
Ben Lomond Trail	1/25	12.60[a]	7.56[b]	17.28	20.51[b]	84
Causey Dam	1/25		2.56[b]	12.31	9.49	130
Dry Bread Pond	1/25	6.40[a]		17.60[a]	16.96[b]	104
Sagebrush Flat					9.49	
WEBER RIVER						
Beaver Creek R.S.						
Chalk Creek #1	1/27	10.40[a]		26.20[a]		
Chalk Creek #2	1/27	5.50[a]		16.00[a]		
Chalk Creek #3	1/27			14.73	11.26[b]	131
East Shingle Lake (A)						
Farmington Canyon (lower)	1/25		5.22[b]	23.49	18.36	128
Farmington Canyon (upper)	1/25	12.70[a]		28.30[a]		
Farmington G.S.						
Hardscrabble						
Horse Ridge	1/25	9.00[a]		22.80[a]		
Kilfoil Creek						
Lost Creek Reservoir						
Park City Summit						
Parley's Canyon Summit	1/29	4.25	4.31	21.60	14.80	146
Pine Canyon						
Redden Mine (lower)	1/27			20.74		
Smith & Morehouse	1/27	6.60[a]	3.55	17.37	11.90	119
Sargeant Lake (A)						
PROVO RIVER & UTAH LAKE						
Beaver Creek Divide	1/27	6.60[a]		21.30[a]		
Camp Altamont						
Clear Creek Ridge #1	1/29	7.70[a]		21.40[a]	10.87[b]	
Clear Creek Ridge #2	1/29	6.20[a]		13.57		
Clear Creek Ridge #3						
Dutchman R.S.					17.60[b]	
Hobble Creek Summit					14.47	
Payson R.S.	1/25	6.70[a]		18.00[a]		
Soapstone R.S.	1/27		3.30	17.59	12.04	146
South Fork R.S.			3.39		11.16	
Timpanogos Cave Camp						
Timpanogos Divide	1/30	13.40	4.97	22.20	17.43	127
Trial Lake	1/27	9.70[a]	4.71	25.10	16.20	155

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 D

† 1958-1972 period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches) CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin											
Lamb's Canyon #2	1/29	57	16.4	4.4	11.1[a]	1/29	4.75		9.45		
Middle Canyon	1/29	31	8.6	3.7	9.2	1/29	2.83	2.71[b]	18.95	9.74	195
Mill Creek	1/26	57	15.4	4.5							
Mill D South Fork	1/28	64	19.0	4.9	13.2						
Mt. Dell Dam								2.16		9.73	
Rock Basin-Settlement	2/1	62	19.1			2/1			17.05		
Silver Lake (Brighton)	1/28	73	24.2	7.4	15.8			5.36		18.07	
Snow Bird (Gad Valley)	1/25	102	30.9		23.6[a]						
Vernon Creek	1/30	32	8.4	2.0	7.5[b]	1/30	4.97		15.57		
Desert Peak	2/1	63	21.8			2/1			22.83		
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	1/27	43	10.9	2.6	7.8	1/27	5.00[a]		13.32		
Bryce Canyon	1/30	17	3.9	0.0	3.0						
Castle Valley	1/26	33	7.1	2.5	7.5[a]	1/26	4.20[a]		10.68		
Duck Creek R.S	1/26	34	7.4	0.0	8.0	1/26		2.87	14.18	10.90	130
Farview	1/29	29	6.4	0.7	5.5						
Harris Flat	1/26	23	5.2	0.0	5.3	1/26	3.10[a]		9.40[a]		
Kimberly Mine	1/25	43	10.6	4.4	9.5[b]	1/25	3.60[a]	3.30[b]	16.45	11.20	147
Midway Valley	1/27	40	10.1	3.8	12.7	1/27	6.90[a]		13.80[a]		
Panguitch Lake	1/26	14	3.2	0.0		1/26			7.75		
Rainbow Point	1/29	27	7.1	0.2	4.6						
Squaw Springs	1/27	24	5.4	0.5							
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	1/28	29	8.6	2.5	9.3[b]	1/28	6.40		14.70		
Farnsworth Lake	1/27	52	14.5	5.7	11.8	1/27	5.60[a]	3.09	16.01	11.64	138
G.B.R.C. Headquarters	1/28	40	11.0	3.6	9.8	1/28		2.98	17.41	11.52	151
G.B.R.C. Majors						1/29	3.14	1.42	10.07	5.65	178
G.B.R.C. Meadows	1/28	62	21.0	5.7	13.5	1/28		3.84	21.05	13.98	150
G.B.R.C. Oaks								1.03		7.82	
Gooseberry R.S.	1/27	29	7.3	2.8	7.4	1/27	5.00[a]	2.45[b]	12.50	7.49[b]	
Mammoth-Cottonwood Creek	1/28	59	18.9	3.4	13.2	1/28	5.80[a]		14.20[a]		
Mt. Baldy R.S.	1/28	73	23.4	5.8							
Oak Creek	1/25	28	6.8	3.8		1/25			16.01		
Pickle Keg Springs	1/28	45	12.4	2.9	10.5	1/28	6.30[a]		16.60[a]		
Pine Creek	1/25	41	11.2	3.6	8.8[a]	1/25			19.38		
Ree's Flat	1/25	40	11.1	4.0					15.84		
Shingle Mill	1/28	24	6.9	3.0	5.7	1/28		2.10[b]	14.26	10.25	
Gooseberry Reservoir						1/28		3.71	21.28	12.09	176
BEAVER RIVER											
Beaver Canyon Power House								1.23		5.45	
Beaver Race Track	1/29	2	0.4	0.2							
Big Flat	1/26	52	14.2	5.0	10.0	1/26	8.60[a]		14.21	9.93	143
Merchant's Valley (upper)	1/26	34	8.9	2.8	7.5[b]	1/26	6.20[a]		11.74	9.18[b]	128
Otter Lake	1/26	38	9.7	2.9	7.5						
PAROWAN CREEK											
Birch Crossing	1/28	18	4.5	0.3	4.3[b]						
Brian Head	1/27	48	11.6	4.5	12.4[B]						
Tall Poles	1/28	32	8.2	3.8	8.5[b]	1/28	4.85	2.20[b]	11.05	9.48[b]	117
Yankee Reservoir	1/27	23	5.0	1.0		1/27			11.31		
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	1/27	19	4.1	0.0		1/27			6.95[a]		
Long Flat	1/27	13	2.9	0.0	4.7	1/27	2.70[a]		9.79[a]		
COAL CREEK											
Cedar City Golf Course	1/28	0	0.0	0.2							
SUSC Ranch	1/28	23	6.2	1.5	5.8[b]						

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† 1958-1972 period

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average †	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT 1 TO DATE This Year	Average †	Percent of Average
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)											
Black's Fork G.S.-East Fork	1/28	33	8.6	3.0		1/28			12.35		
Black's Fork Junction	1/28	32	8.1	2.8		1/28			12.42		
Buck Pasture (A)				5.1							
Burnt Creek	1/28	16	2.5	1.6				1.60[b]		6.09[b]	
Grizzly Ridge	1/28	25	5.2	1.6				2.44[b]		8.75[b]	
Hewinta G.S.	1/28	33	8.5	3.0		1/28			12.86		
Hickerson Park	1/28	22	4.3	4.1		1/28			7.11		
King's Cabin (upper)	1/28	31	7.5	4.7	7.5	1/28	2.50[a]		10.77	9.24	117
Reynolds Park (A)				5.5							
Spirit Lake	1/28	41	10.3	7.8		1/28			13.33		
Steel Creek Park	1/28	56	14.7	7.1	9.4[a]	1/28	4.10[a]		14.80[a]		
Trout Creek	1/28	32	6.6	5.1		1/28	2.20[a]		8.17		
Henrys Fork (A)											
DUCHESNE RIVER											
Atwood Lake (A)				5.1							
Brown Duck Ridge	1/28	70	18.5	7.9	9.5[a]	1/28	6.60[a]		17.94[a]		
Chepeta	1/28	49	11.4	7.4		1/28	3.90[a]		14.60[a]		
Currant Creek	1/29	33	8.4	0.3	7.3[b]	1/29	5.40[a]		16.60		
Daniels-Strawberry Summit	1/29	42	12.5	2.4	10.0	1/29	8.70[a]	3.59	20.73	12.03	172
East Portal	1/29	41	13.3	2.5	7.4	1/29	5.48	3.34	20.43	11.14	183
Five Points Lake (A)				3.8							
Indian Canyon	1/29	42	11.8	2.4	8.0	1/29	5.10	2.41	14.04	8.69	162
Jackson Park	1/28	49	11.3	6.5	7.4[a]	1/28			23.70		
Lakefork Basin (A)				4.9							
Lakefork Mountain #1	1/28	38	9.0	4.8	6.8	1/28	4.60[a]		13.31	8.68	153
Lakefork Mountain #3	1/28	19	4.5	3.0	4.2[b]						
Lightning Lake (A)				11.3							
Mosby Mountain	1/28	27	6.6	3.8	6.3	1/28	2.70[a]	2.28[b]	11.40[a]	8.87	129
Paradise Park	1/28	43	11.4	6.3	8.3	1/28		2.39[b]	14.59	9.36	156
Rock Creek Ranch	1/28	24	6.1	2.5	3.7[a]	1/28	4.10[a]		12.43		
Strawberry Divide	1/29	58	18.3	4.0	12.4	1/29	11.00[a]		29.30[a]		
PRICE RIVER											
Dry Valley Divide Alternate	1/29	33	9.2	0.5							
Mud Creek	1/28	48	13.4	1.3	8.8	1/28		2.70	4.45	9.20	
White River #1	1/29	42	12.1	2.5	8.6	1/29	5.20[a]		15.66		
White River #3	1/29	29	8.7	0.2							
SAN RAFAEL RIVER											
Buck Flat	1/28	52	15.2	1.6	10.2	1/28	9.20[a]		19.35	11.29[b]	171
Huntington-Horseshoe	1/28	61	22.5	5.4	14.8[b]						
Orange Olsen	1/28	24	5.7	0.0		1/28			9.61	5.22[b]	184
Red Pine Ridge	1/28	53	16.0	1.4	10.7	1/28	8.30[a]		21.42	12.77	168
Seeley Creek R.S.	1/28	33	10.9	2.2	9.3[b]	1/28	4.20[a]		11.90[a]		
Stuart R.S.	1/28	34	9.1	0.2		1/28			11.82		
Upper Joe's Valley	1/28	36	9.7	0.5	6.6						
Wrigley Creek	1/28	37	10.7	0.9	6.4						
MUDDY RIVER											
Black's Fork	1/28	42	12.8	1.4	7.76						
Dill's Camp	1/28	39	10.9	0.9	7.06	1/28	7.70[a]		18.29		
FREMONT RIVER											
Black's Flat-U.M. Creek	1/27	34	8.0	1.7	6.9	1/27	5.60[a]		11.25[a]		
Fish Lake	1/27	24	5.7	0.7	5.2	1/27		1.33[b]	6.69	6.35	105
Johnson Valley	1/27	25	5.9	0.1	4.3						

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† 1958-1972 period

SNOW PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +	CURRENT INFORMATION Date of Reading	CURRENT INFORMATION Month's Precipitation	CURRENT INFORMATION Average +	FROM APPROX. OCT. 1 TO DATE This Year	FROM APPROX. OCT. 1 TO DATE Average +	FROM APPROX. OCT. 1 TO DATE Percent of Average
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/28	24	5.5	2.1	7.1[e]	1/28	3.40		11.95		
Camp Jackson	1/28	27	6.6	1.1	7.3[e]	1/28	4.30		10.20		
LaSal Mountain (lower)	1/27	19	4.0	2.9	5.4[e]						
LaSal Mountain (upper)	1/27	38	10.0	7.0	8.6[e]	1/27	3.60		14.33		
Monticello City Park	1/29	5	0.5	0.0							
ESCALANTE RIVER											
Widtsoe-Escalante #3	1/26	37	8.2	2.9	6.4	1/26	3.30[a]	1.58	10.75	7.59	142
VIRGIN RIVER											
Kolob-Crystal	1/27	44	9.5	2.3	13.3[b]	1/27	5.90[a]		12.56[a]		
Long Valley Junction	1/26	16	3.4	0.0	3.2						
Webster Flat	1/27	39	9.4	2.4	10.2	1/27	4.05	3.48	13.88	11.62	119

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

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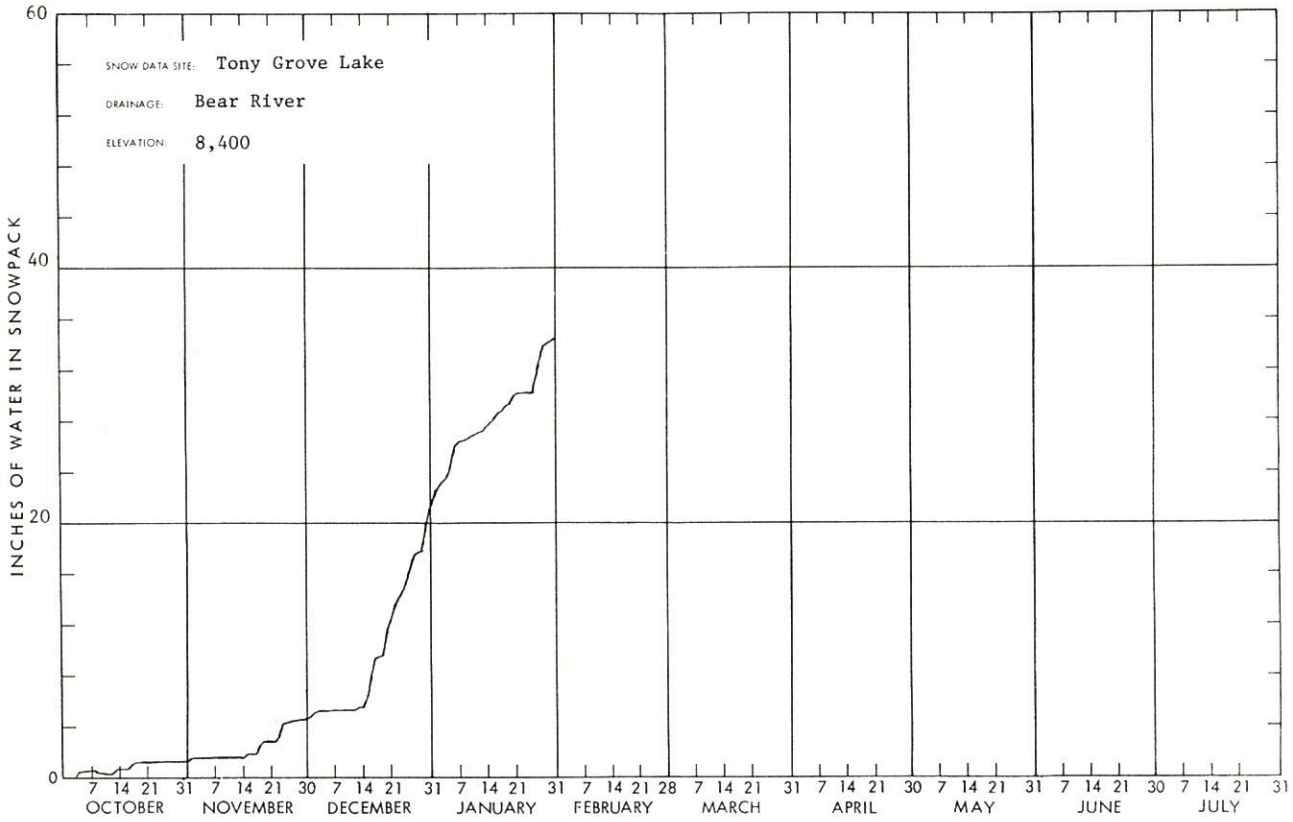

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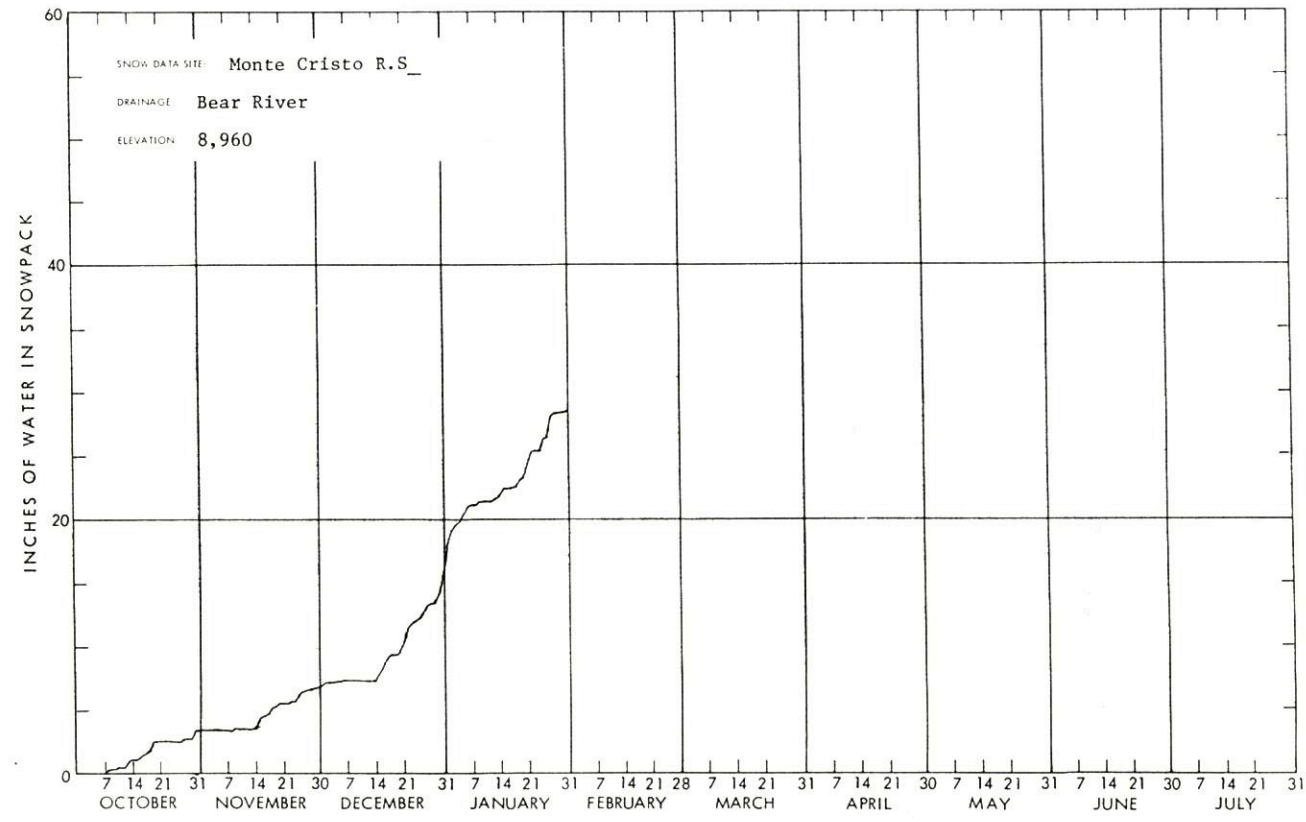

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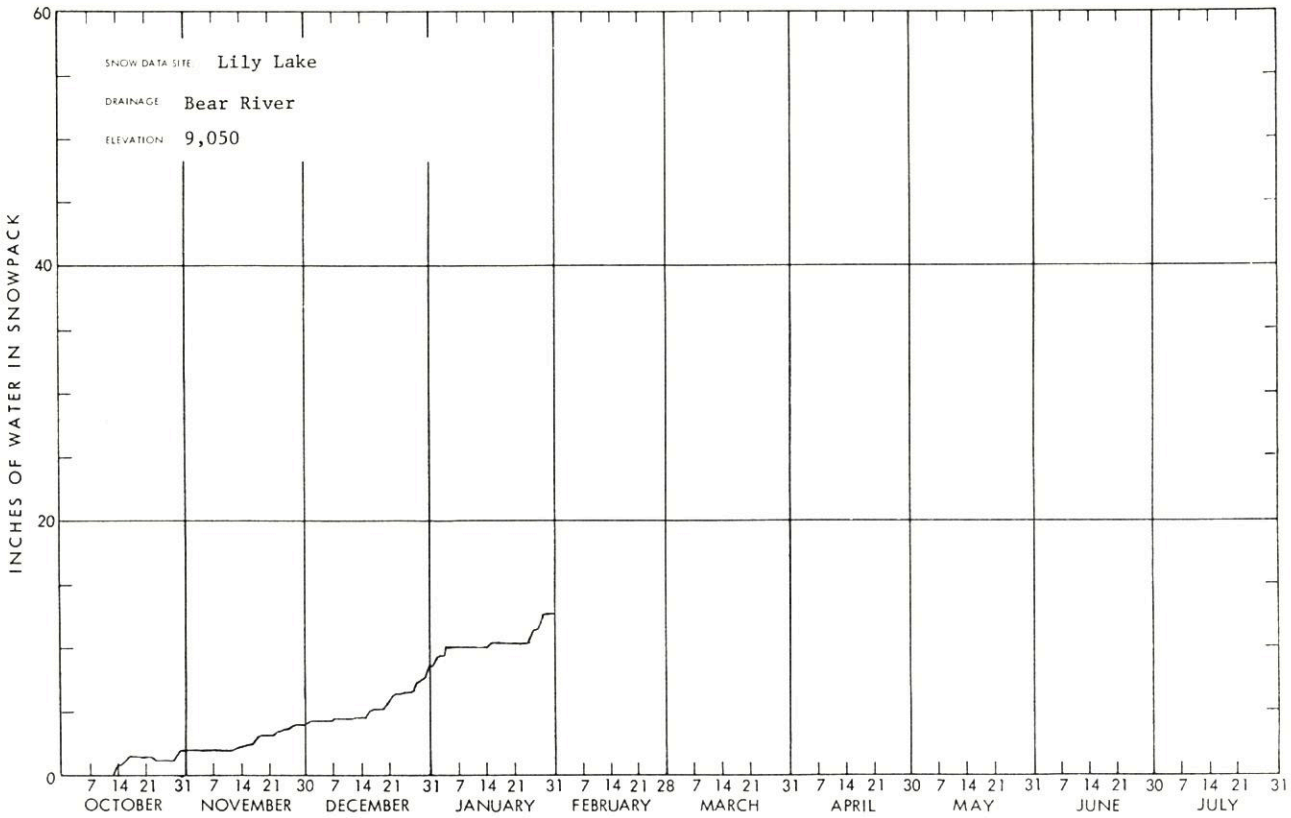

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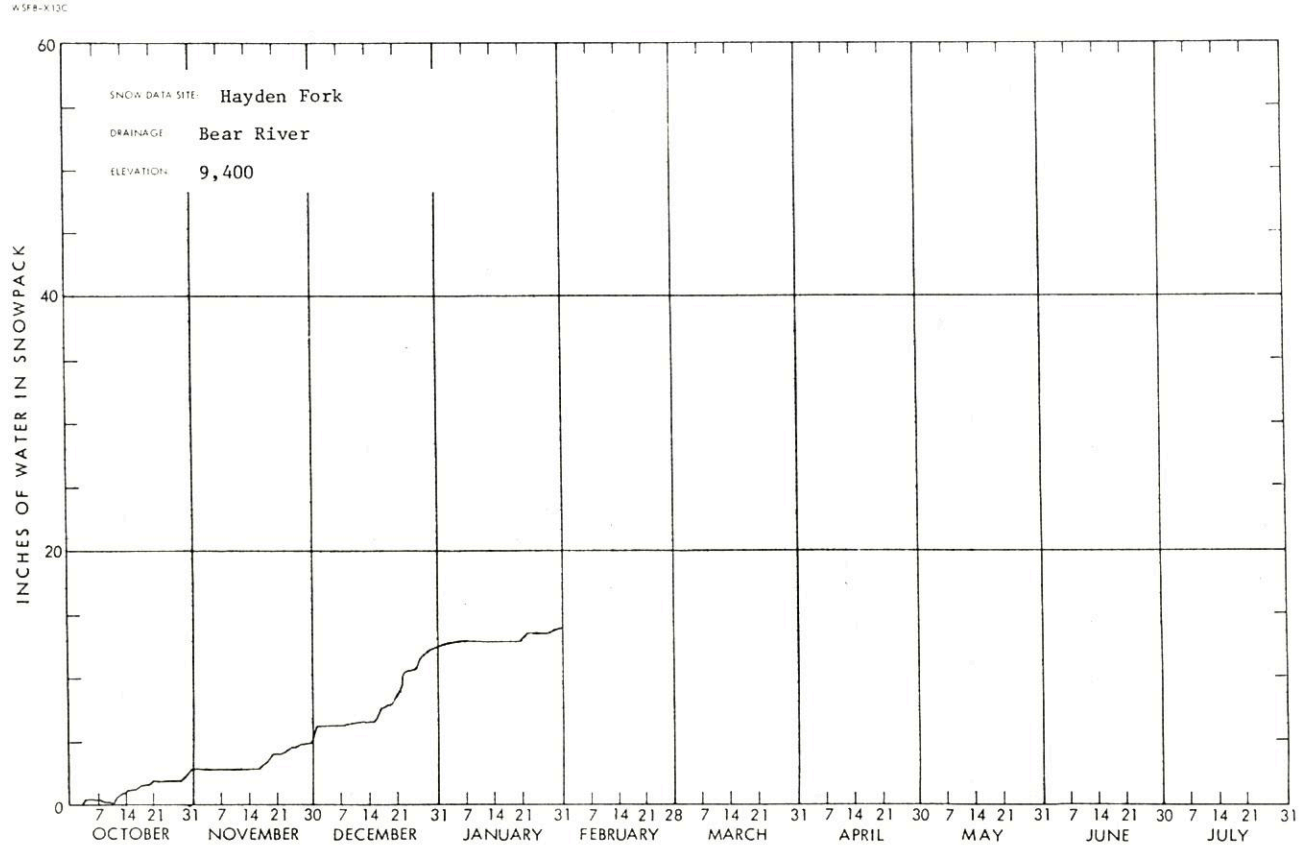

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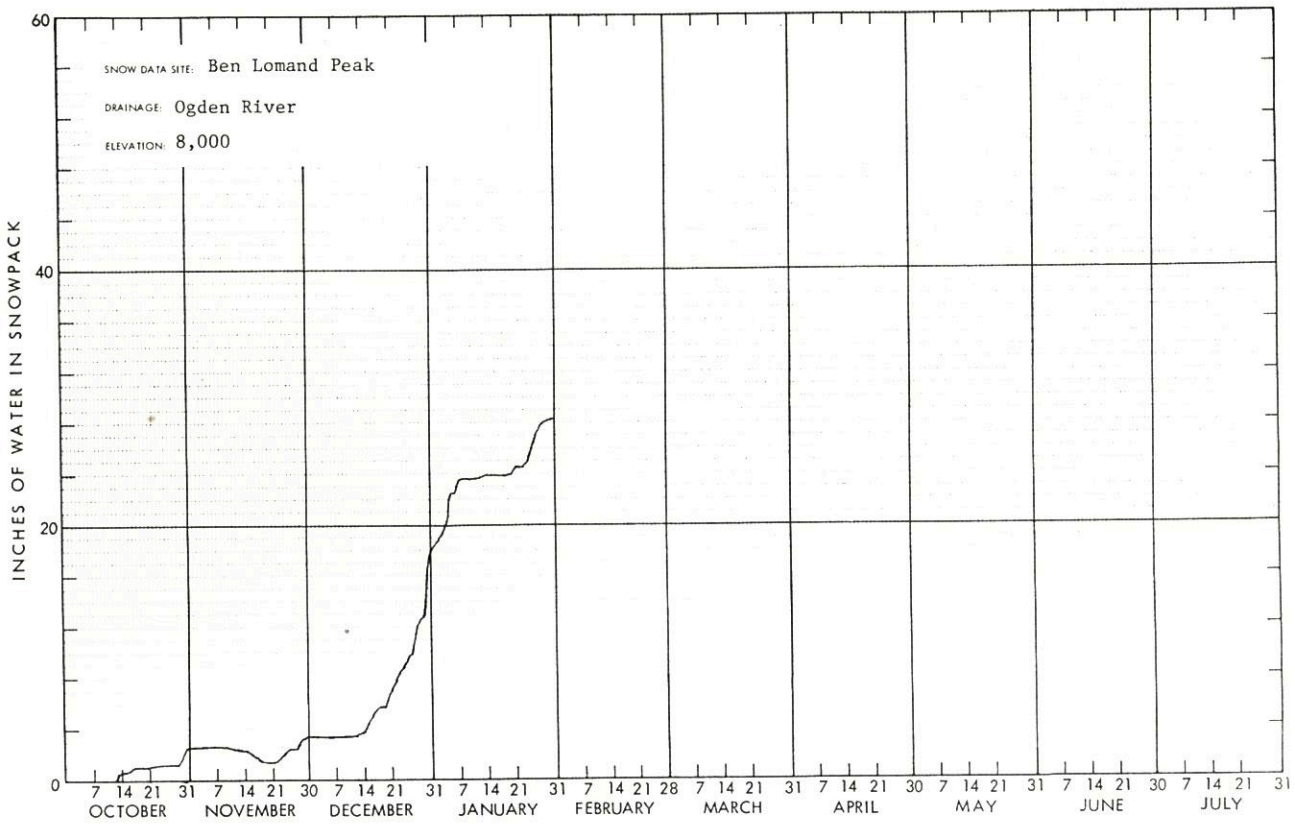

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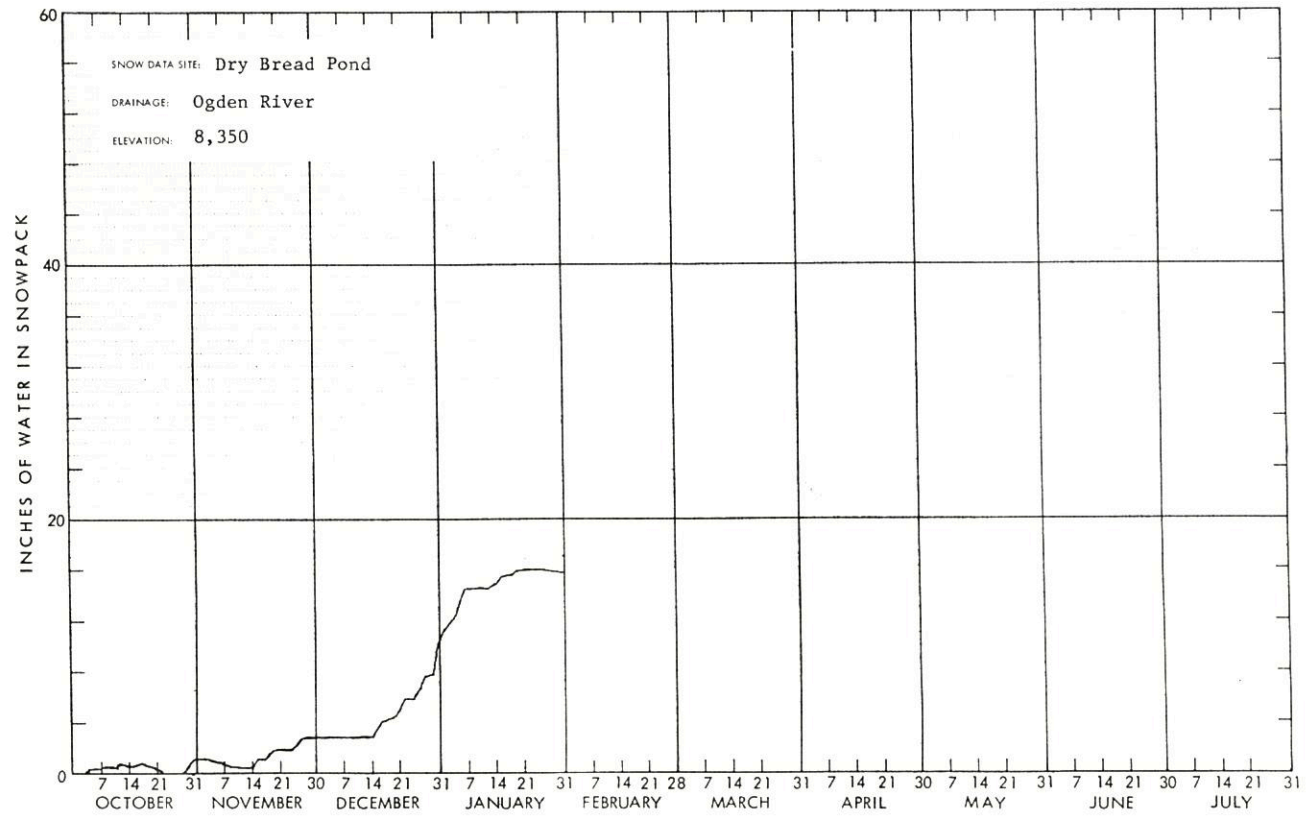

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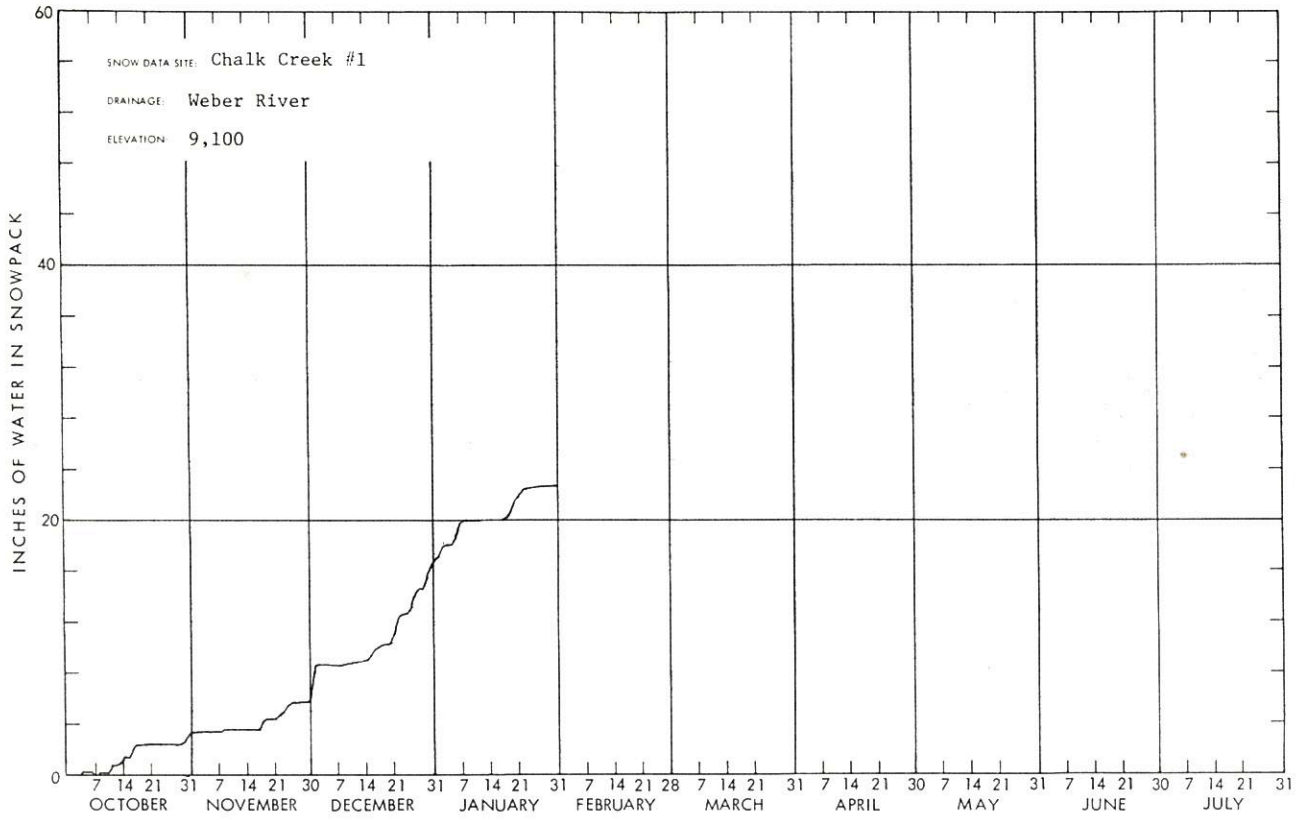

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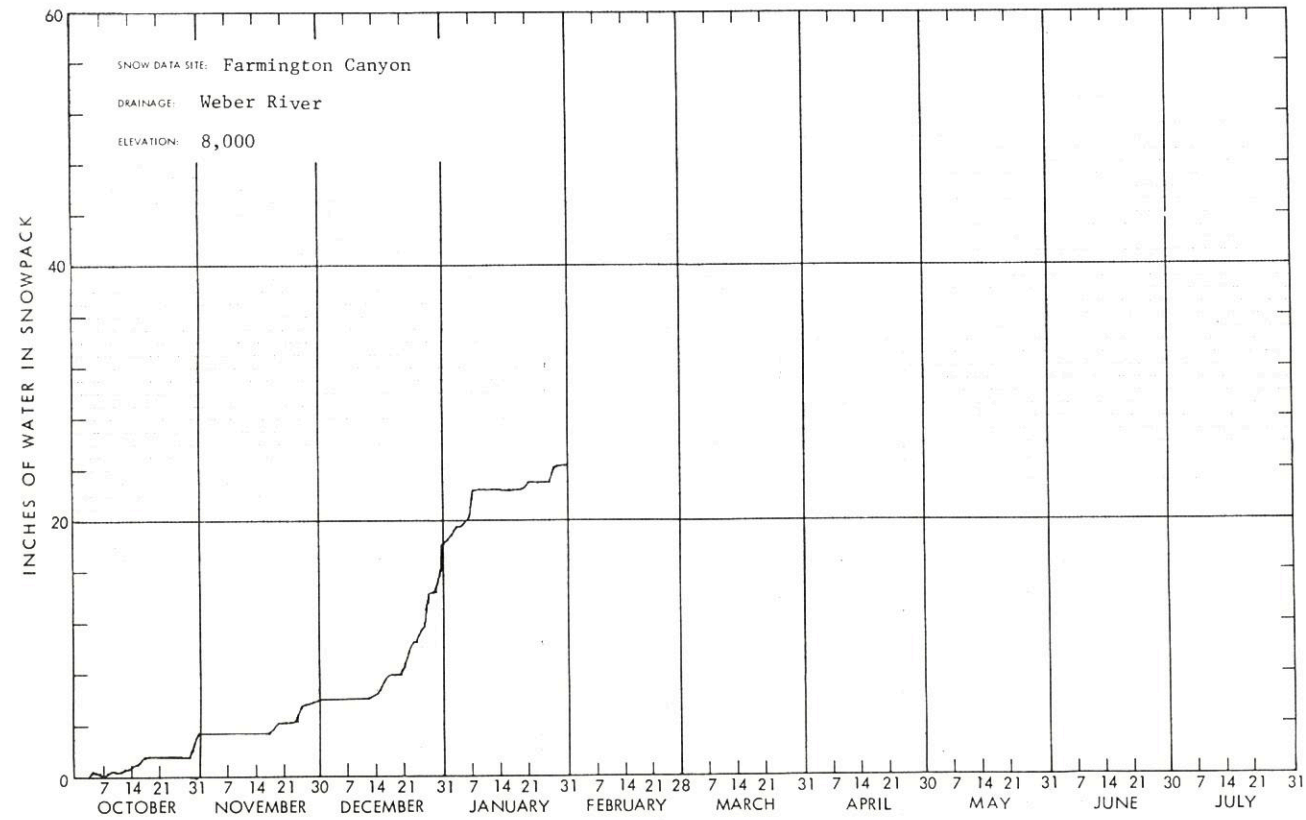

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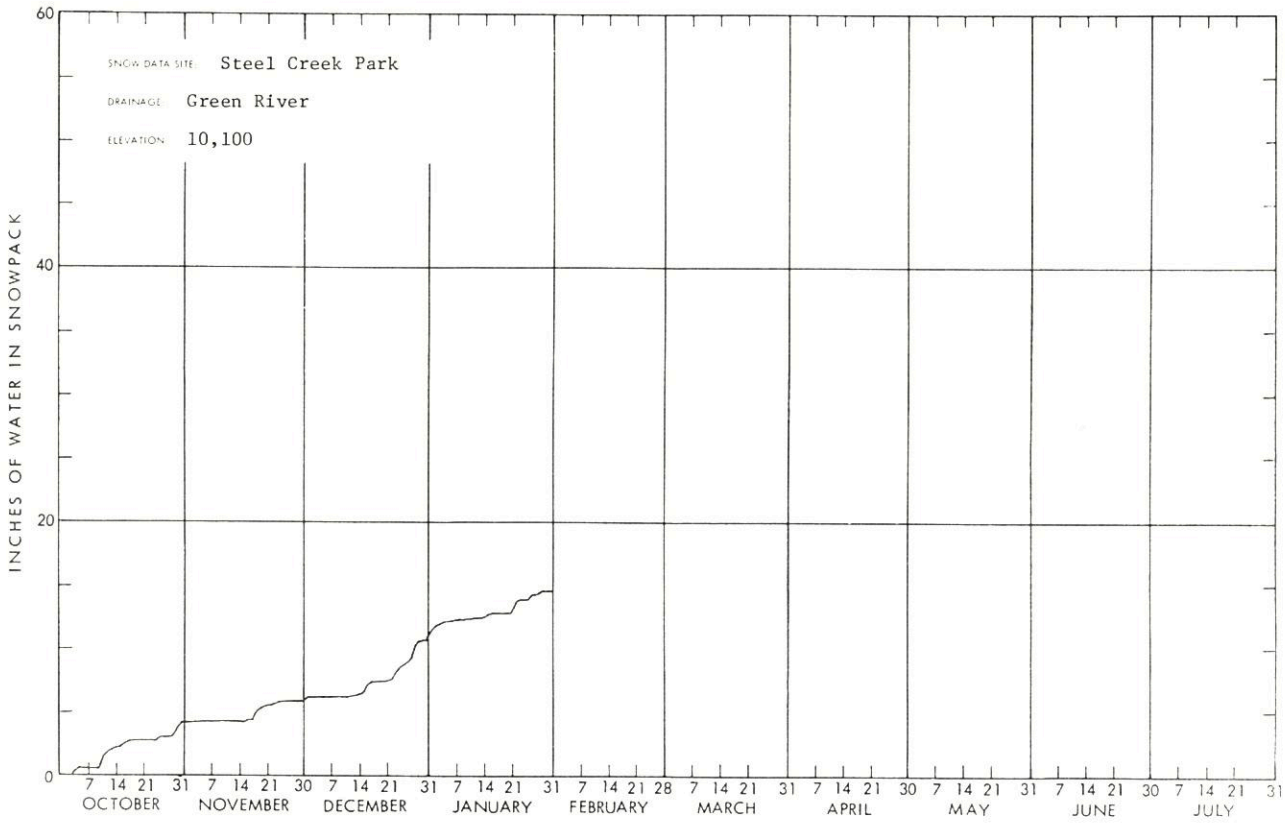

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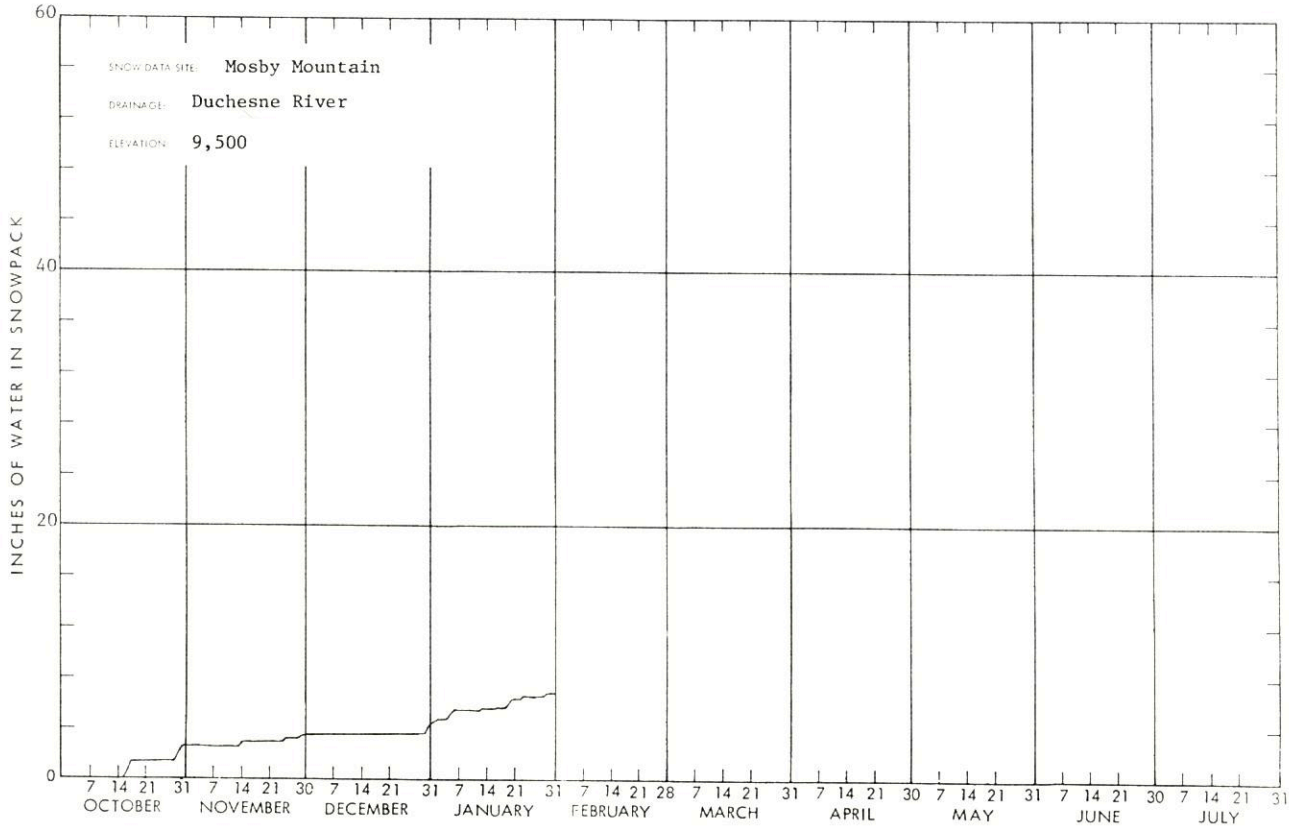

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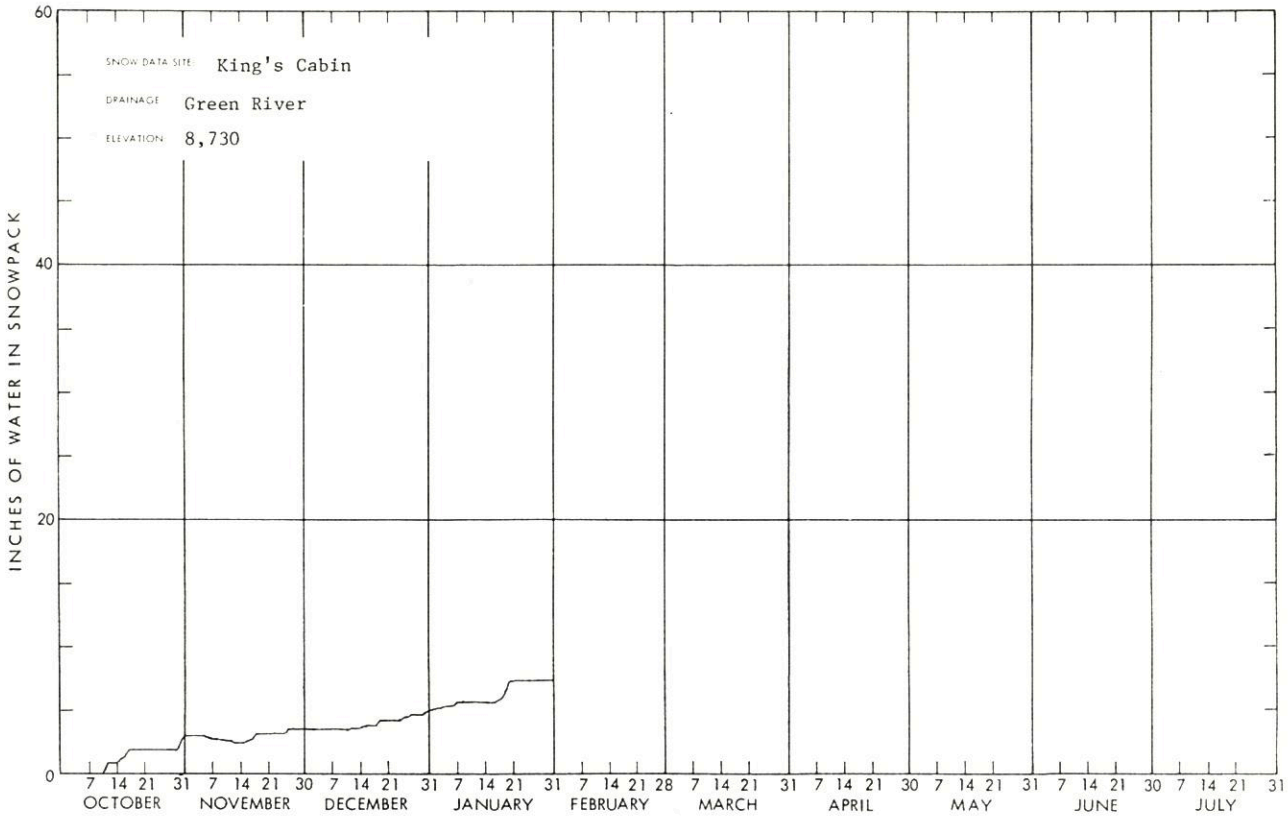

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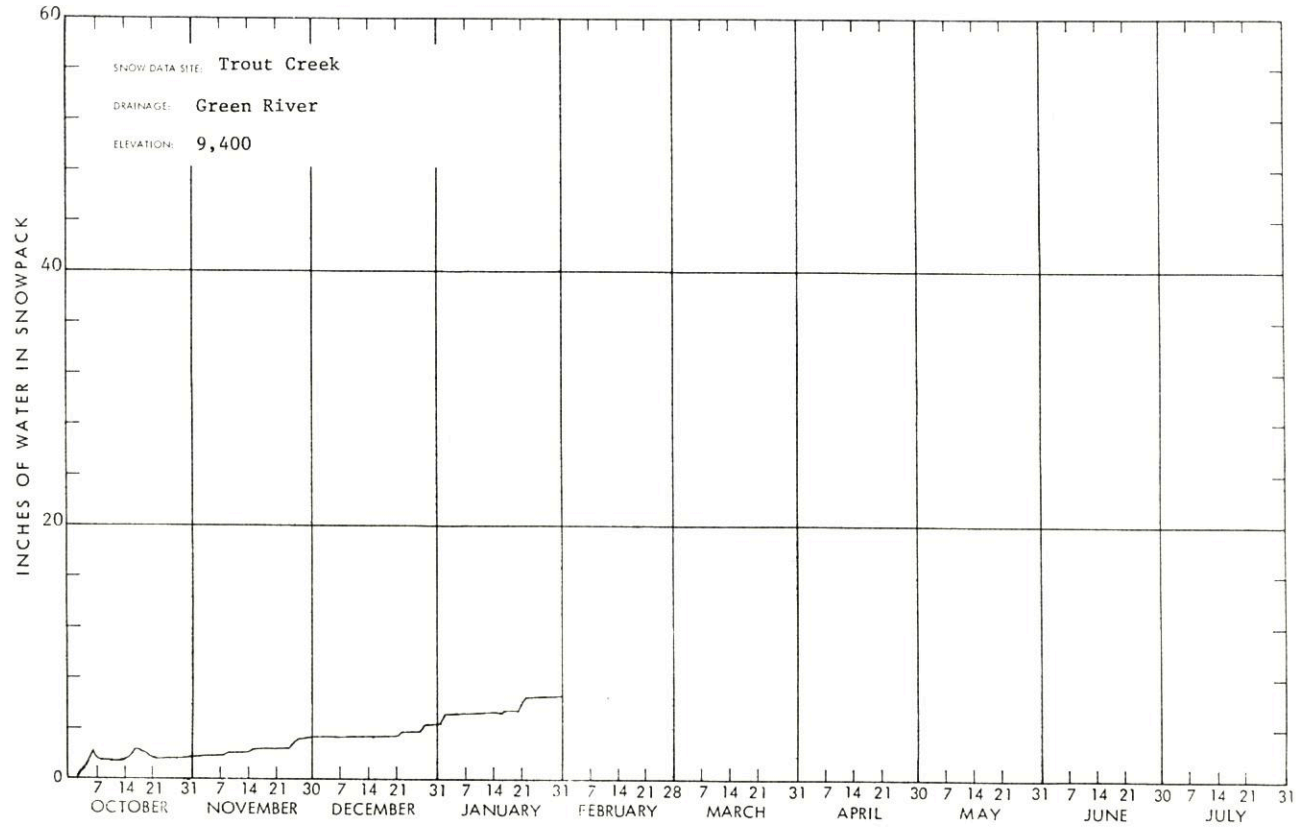

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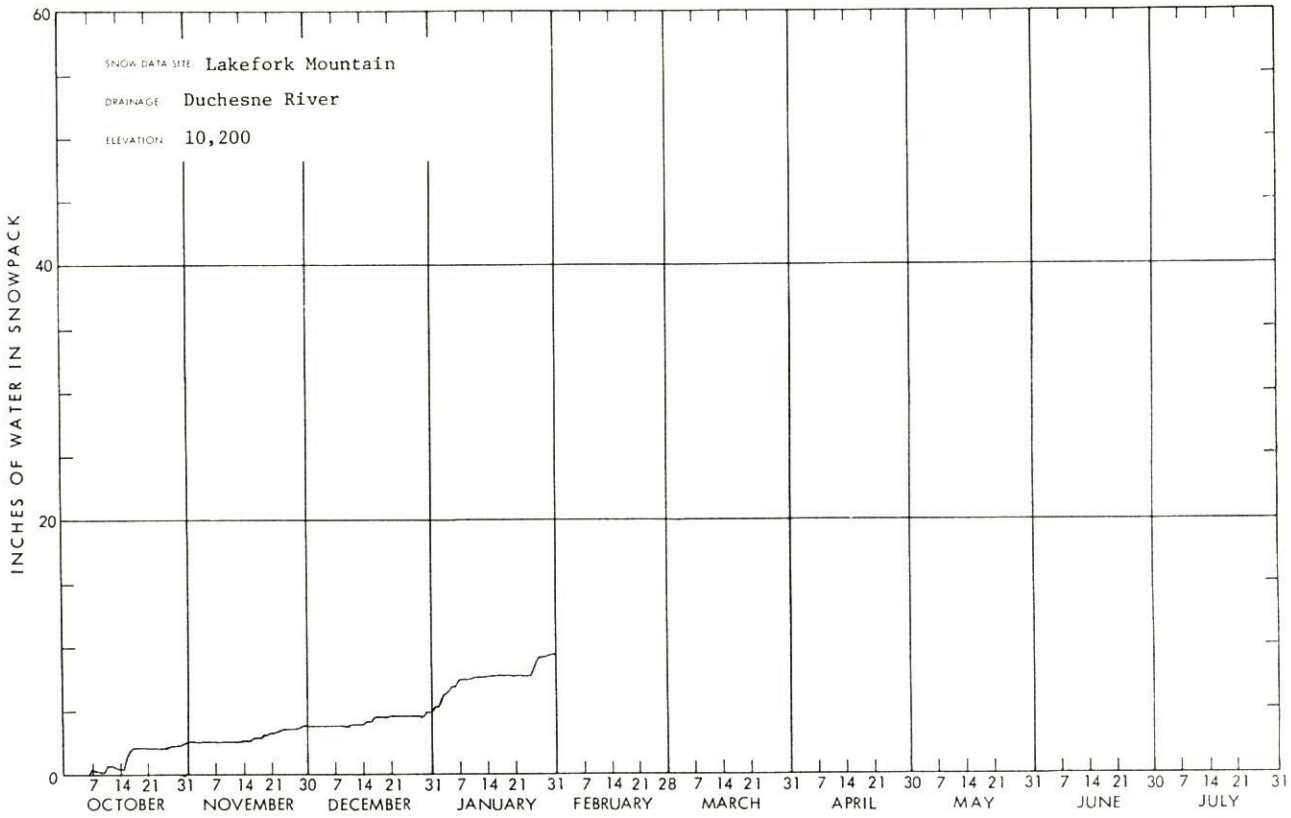

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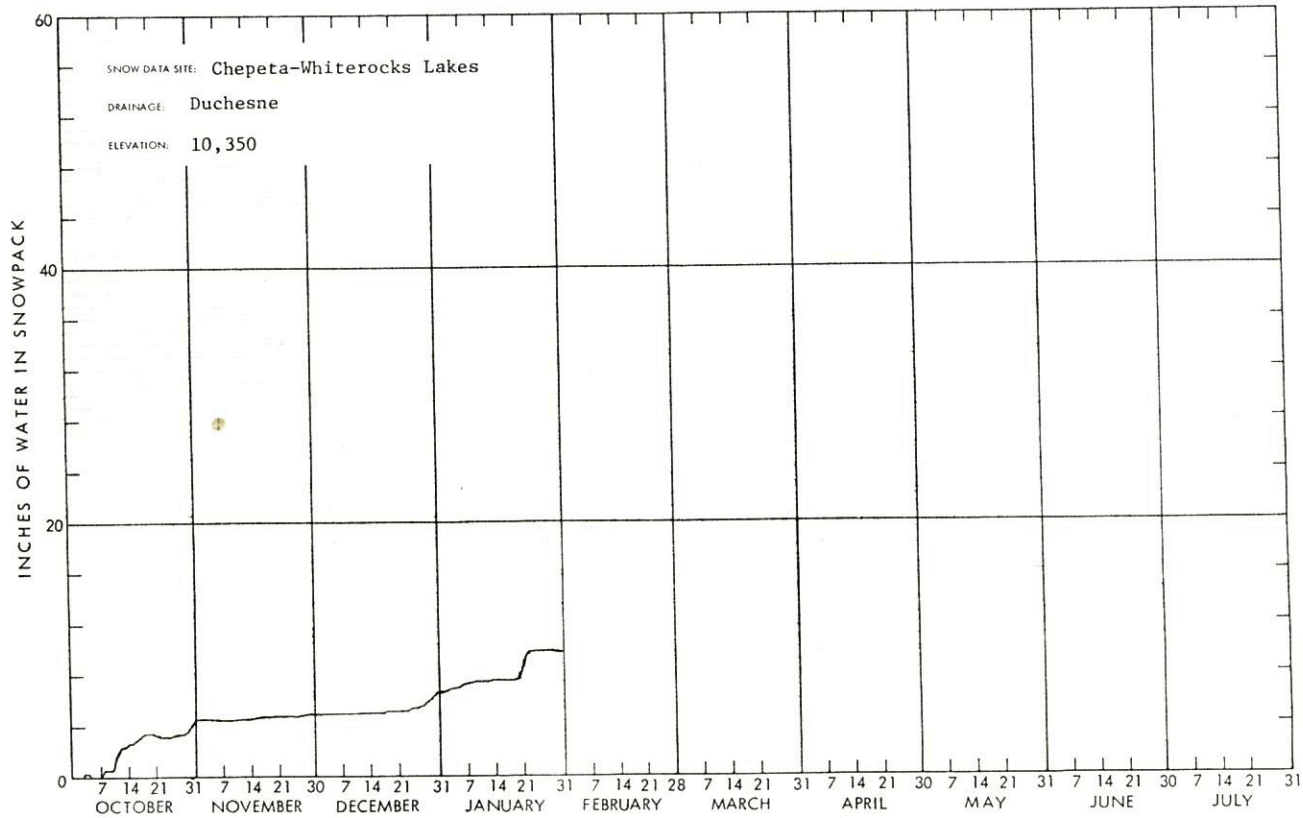

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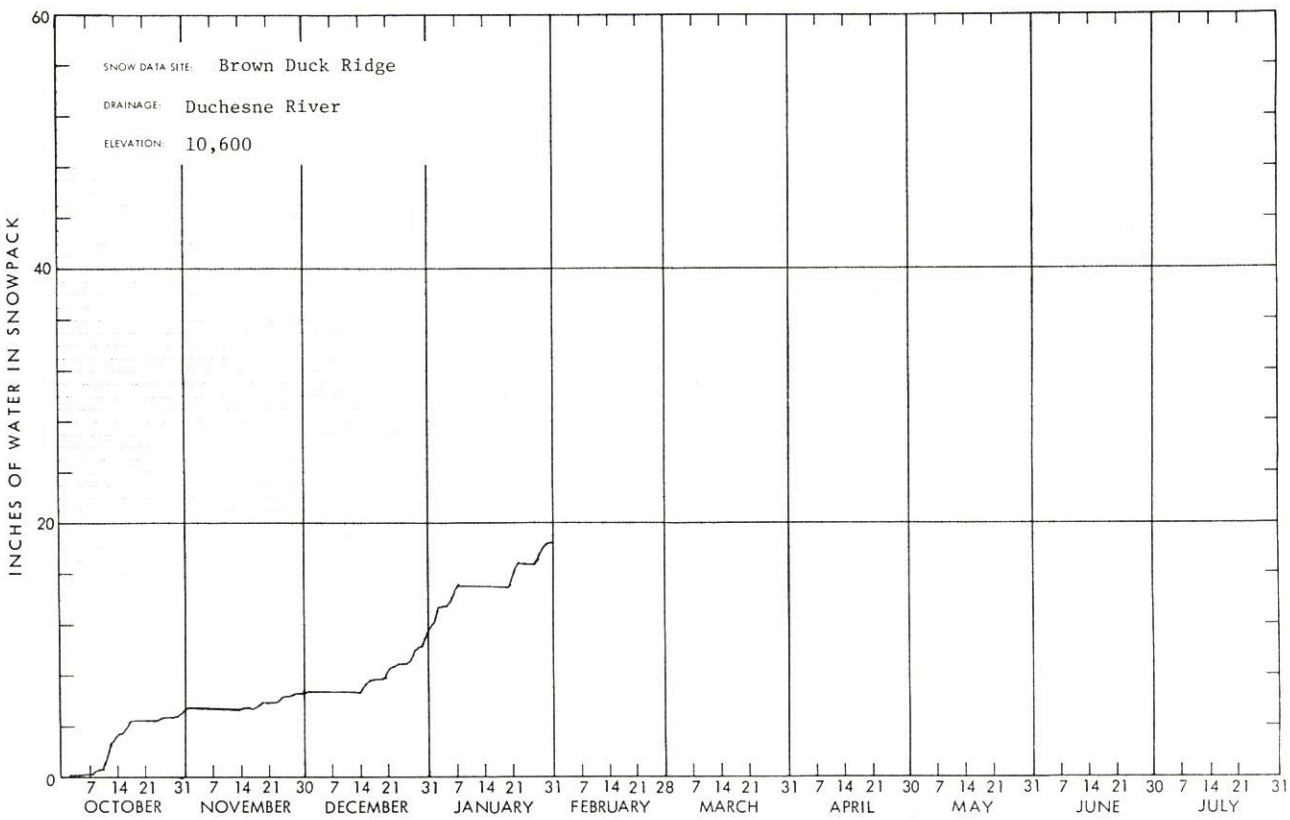

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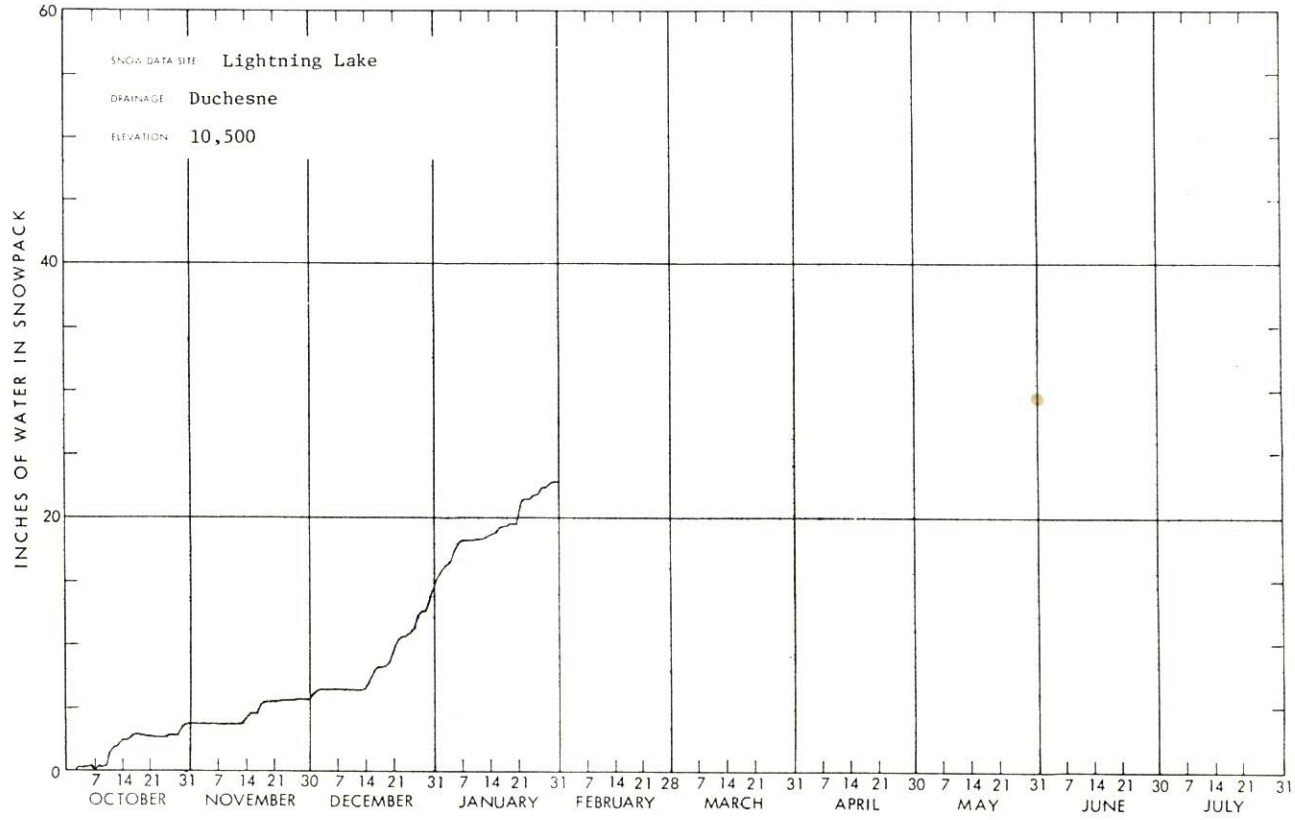

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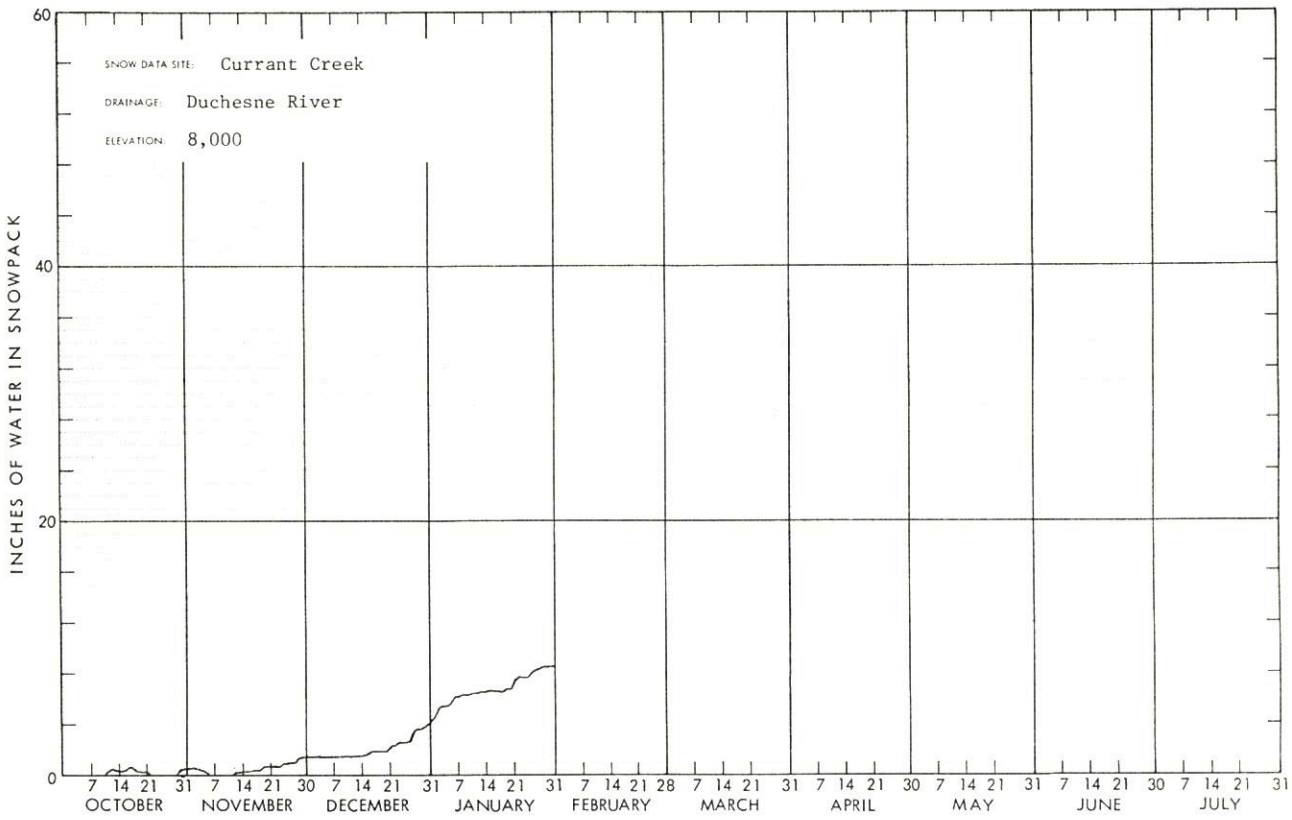

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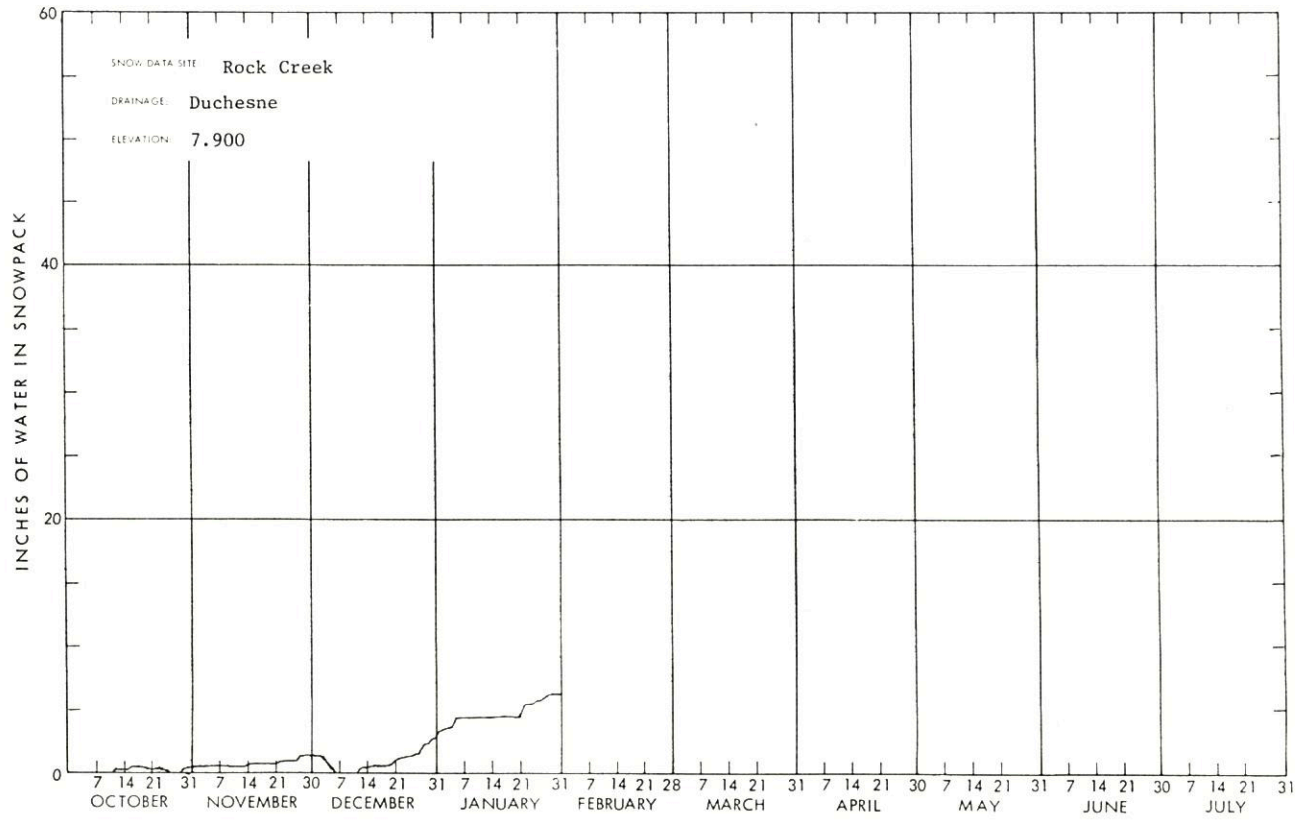

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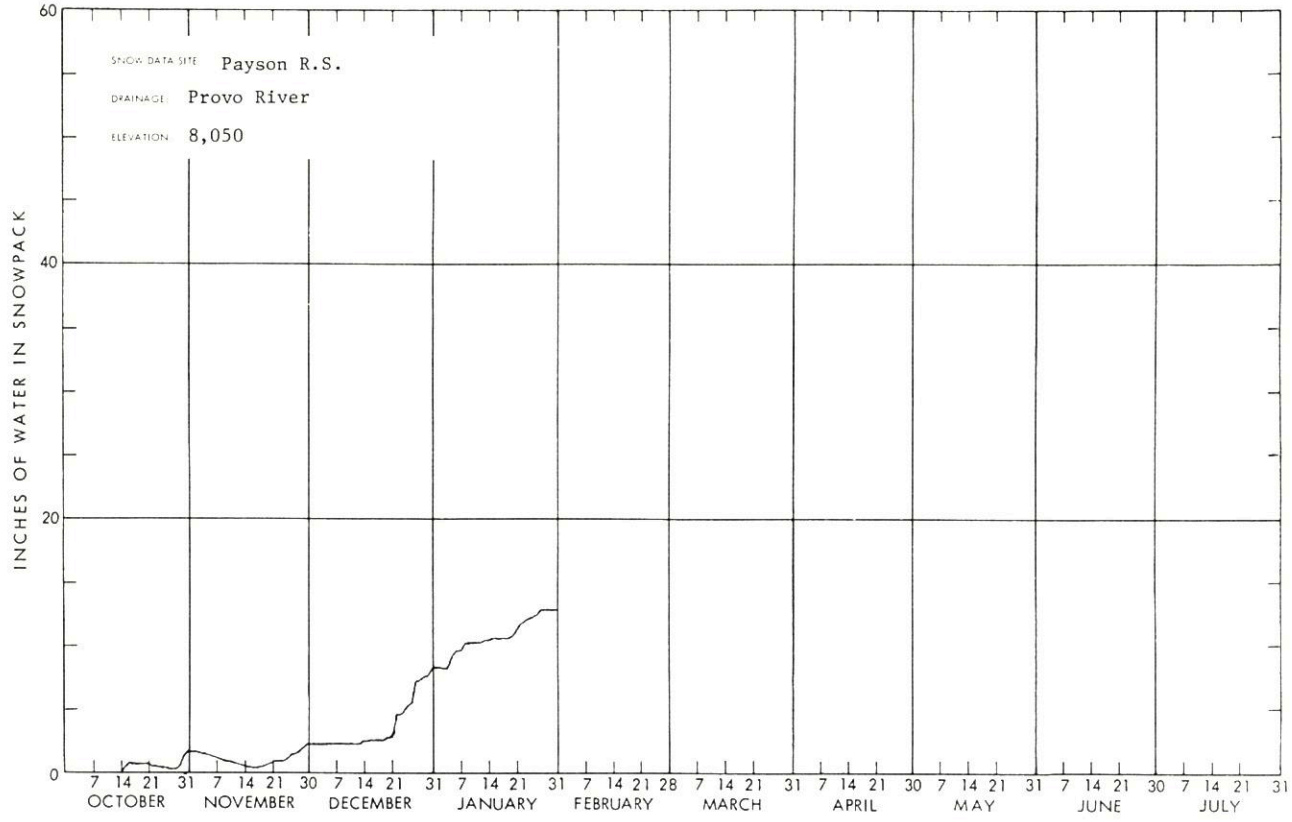

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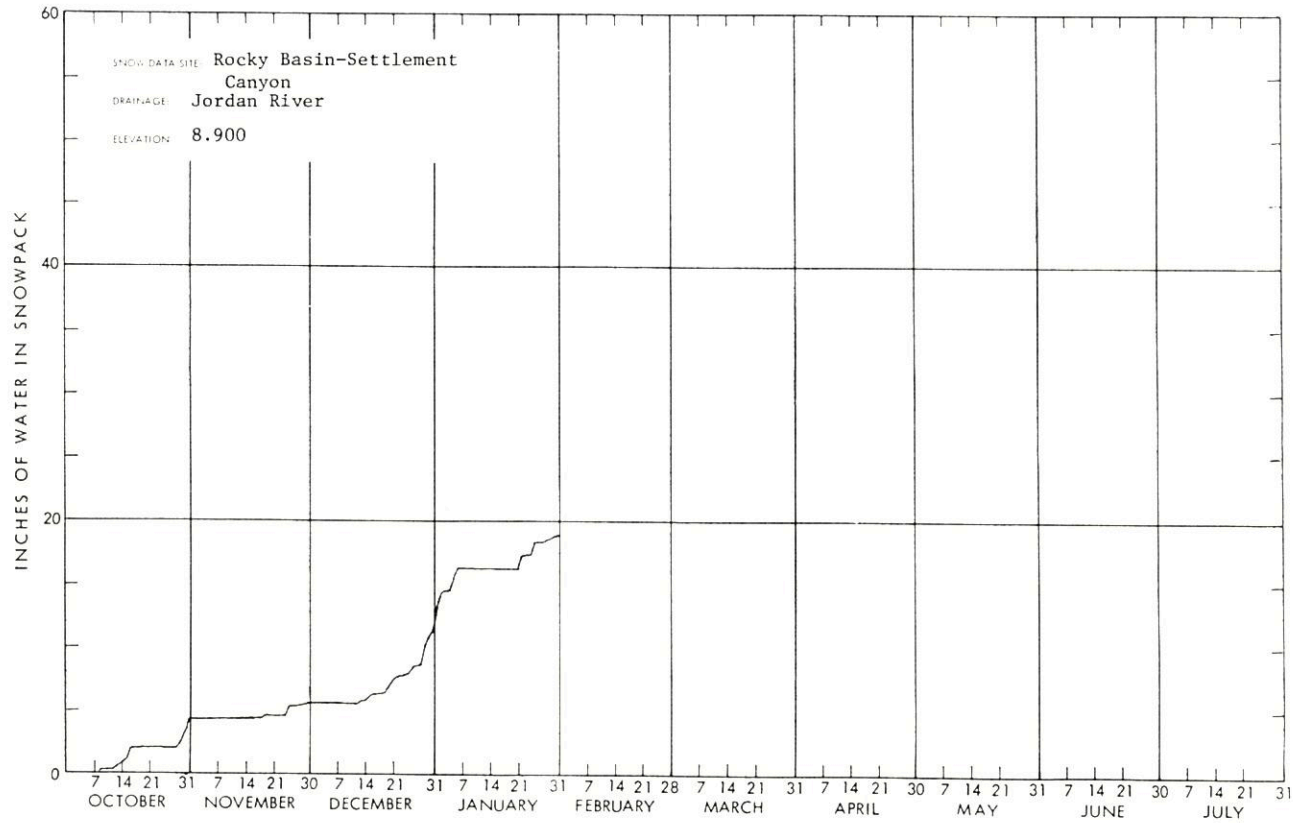

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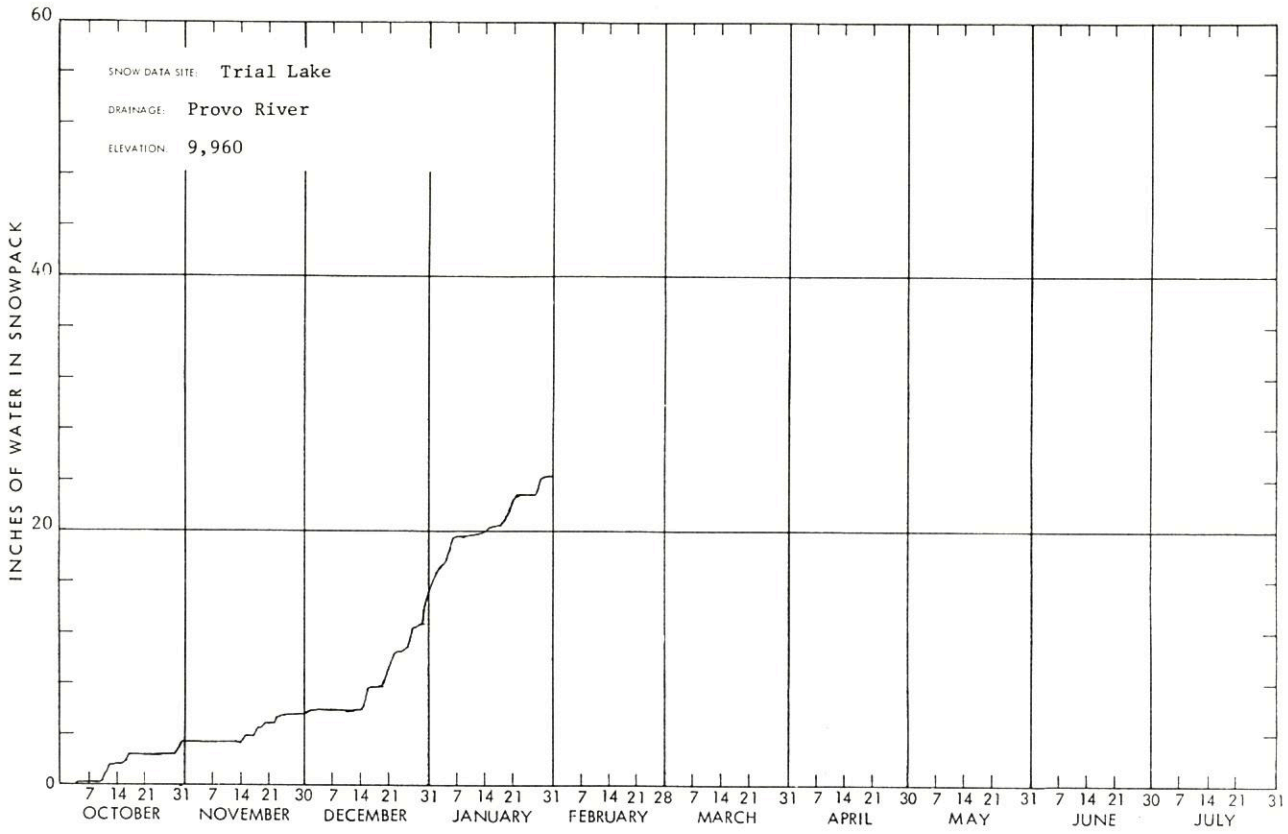

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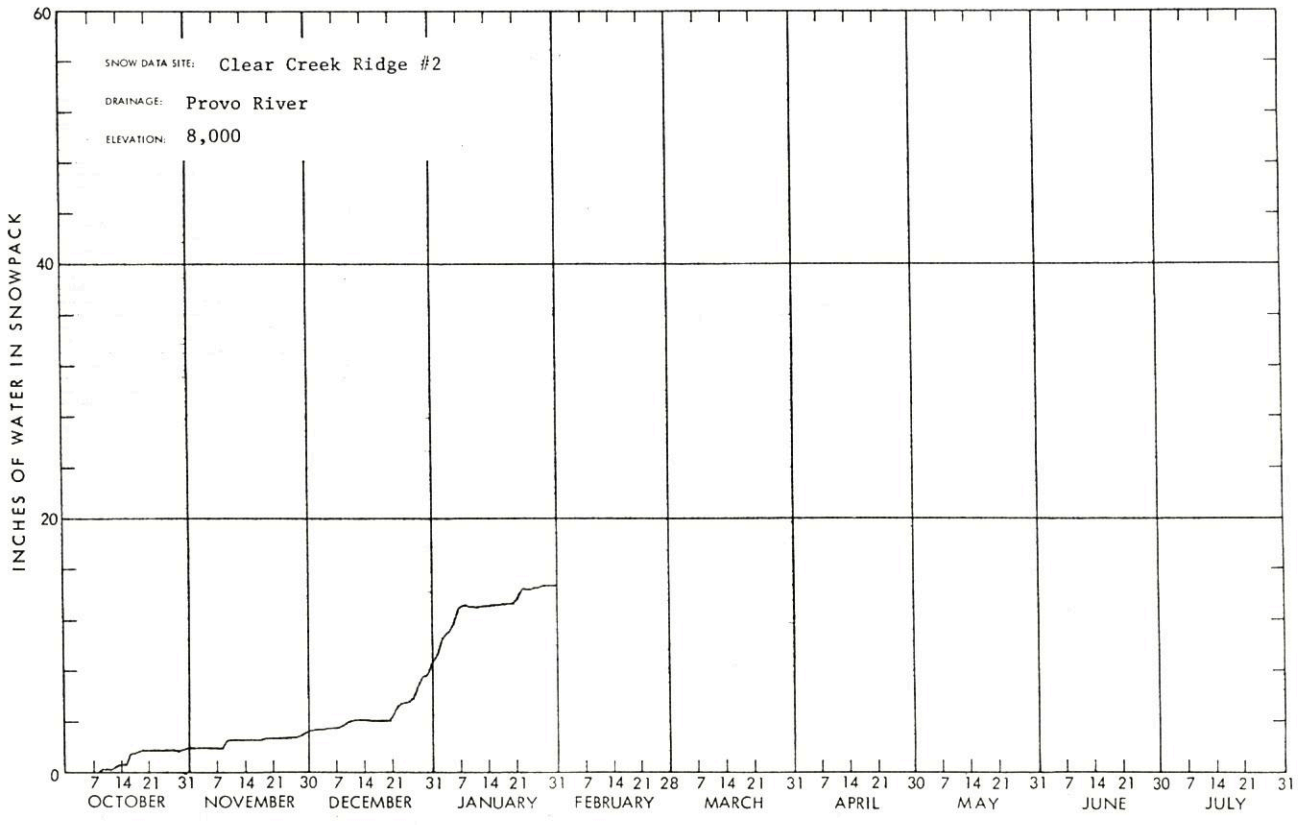

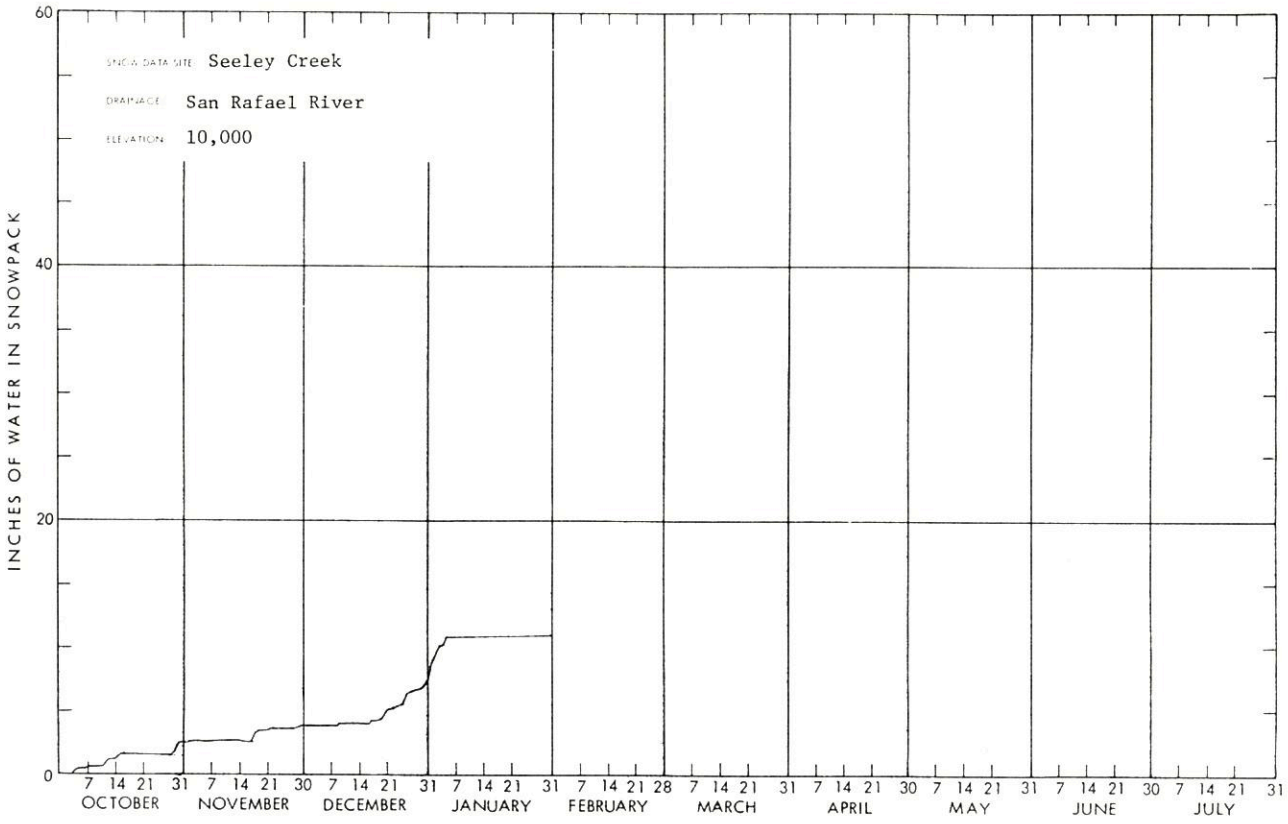
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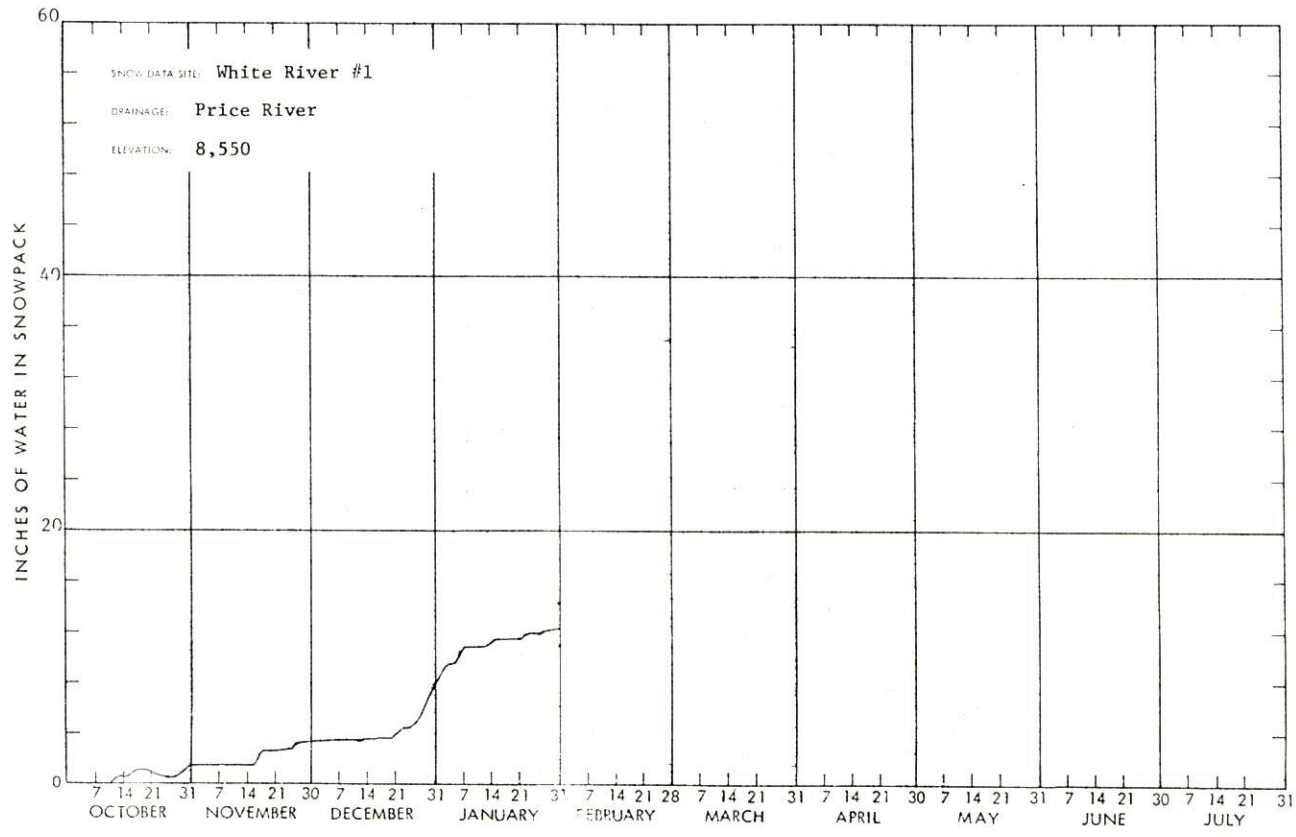
DRAINAGE San Rafael River
ELEVATION 10,000
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY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DRAINAGE Price River
ELEVATION 8,550
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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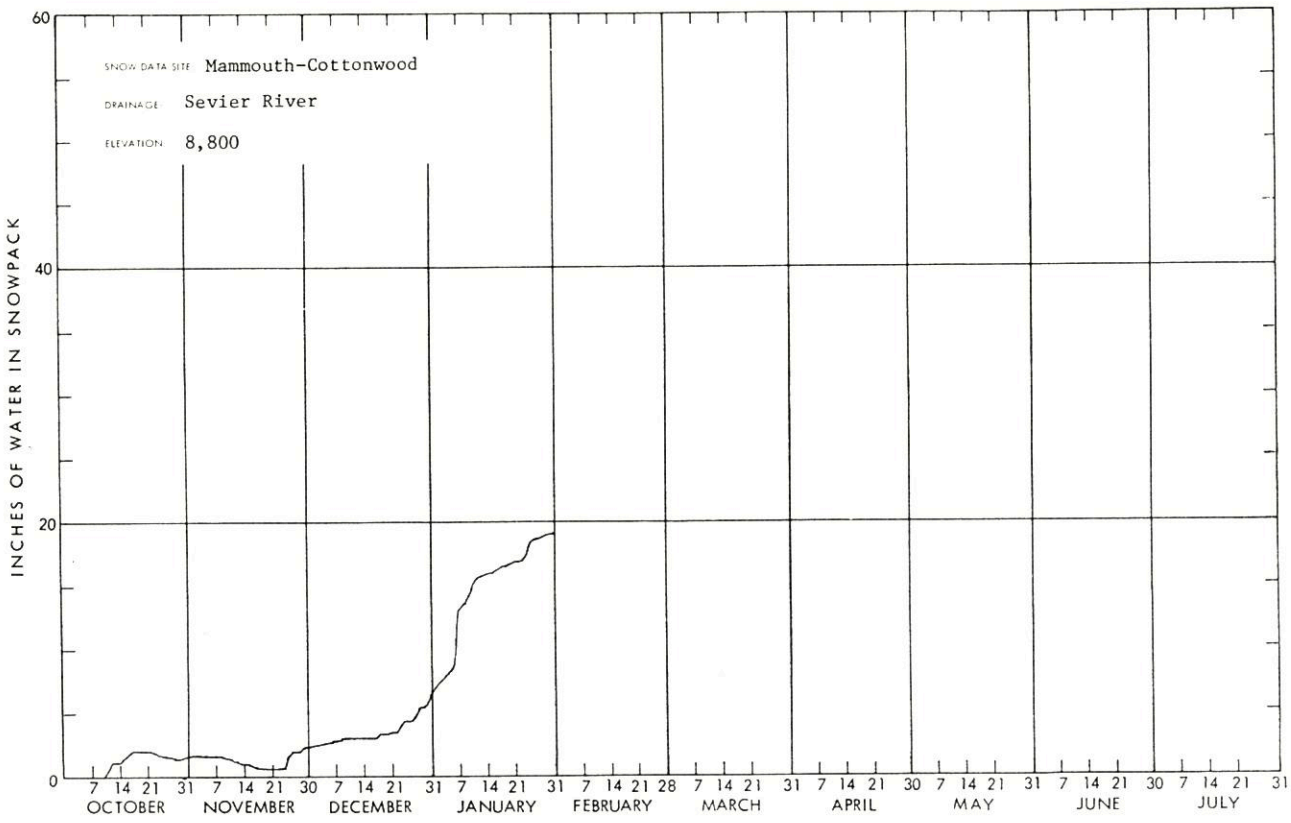

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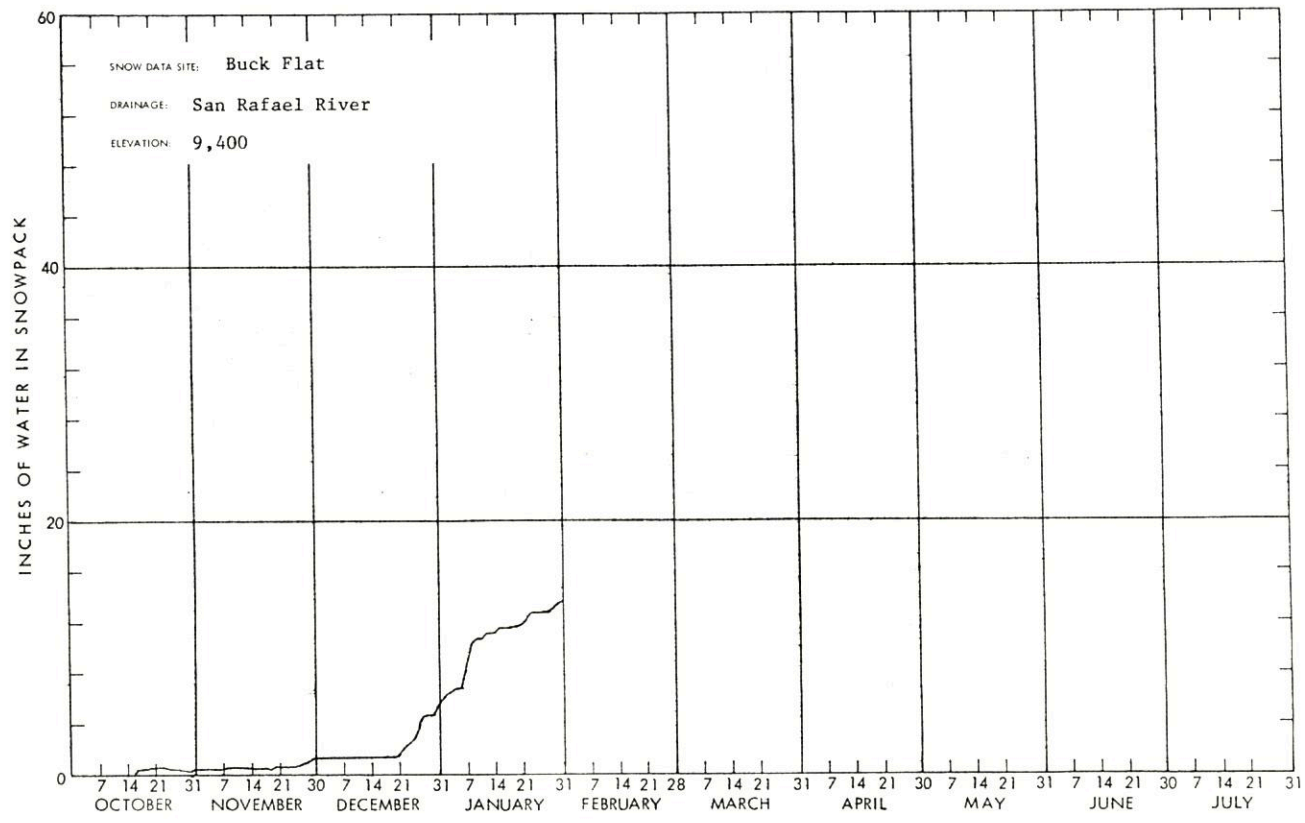

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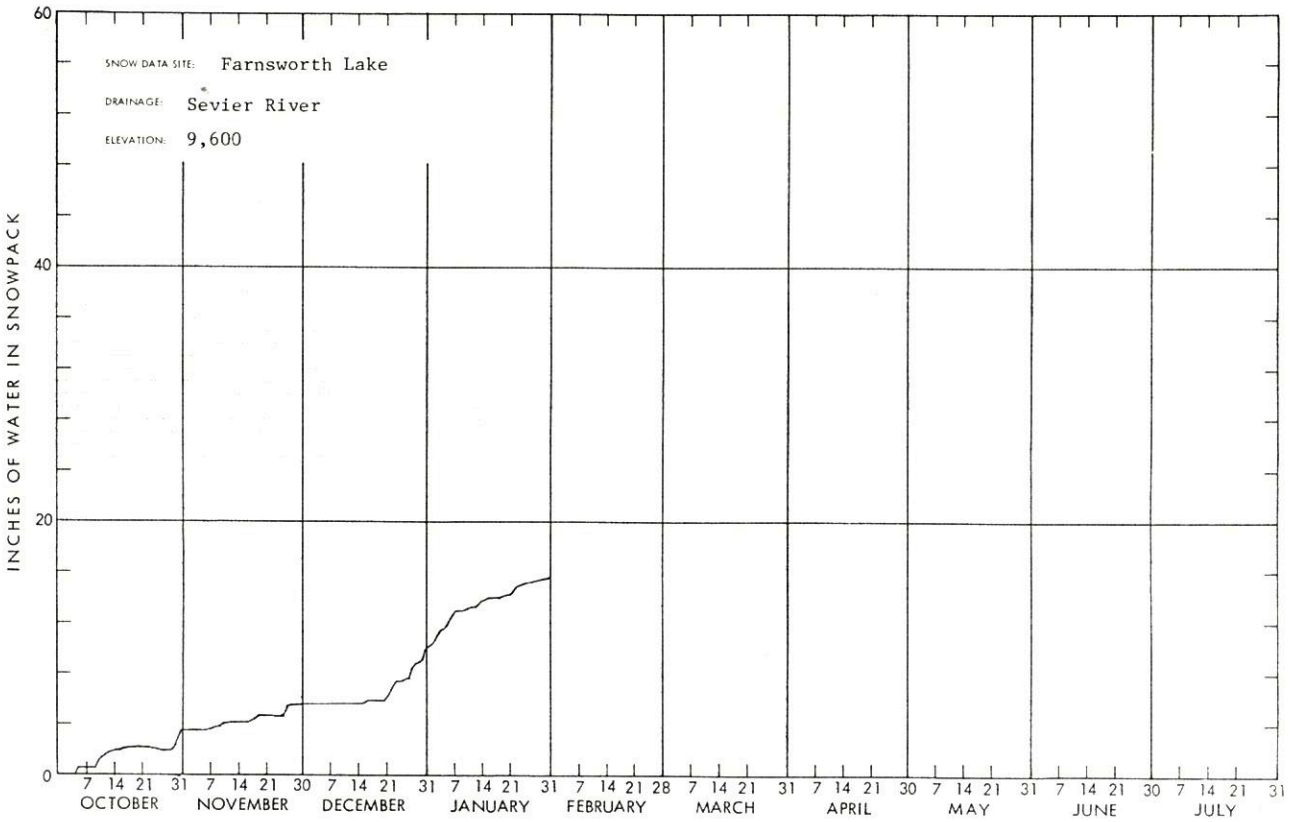

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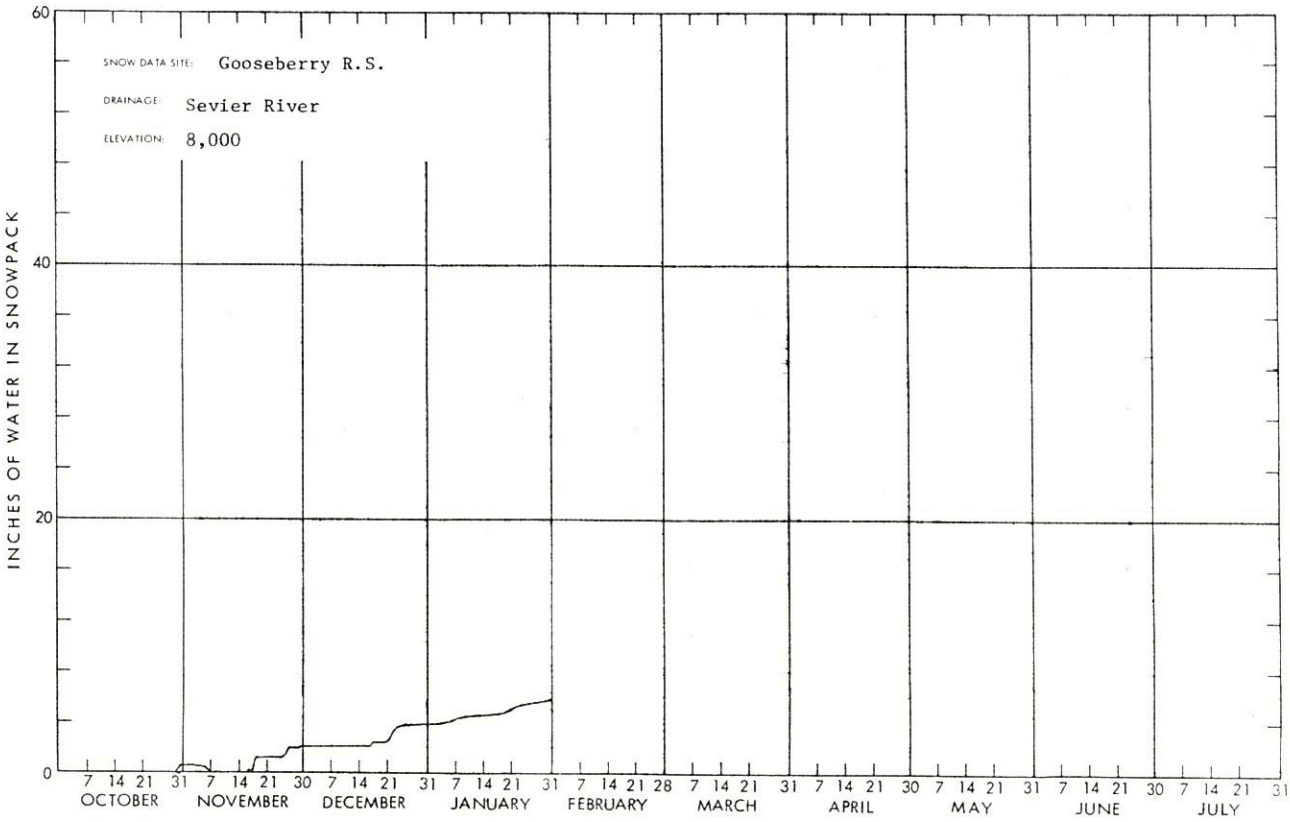

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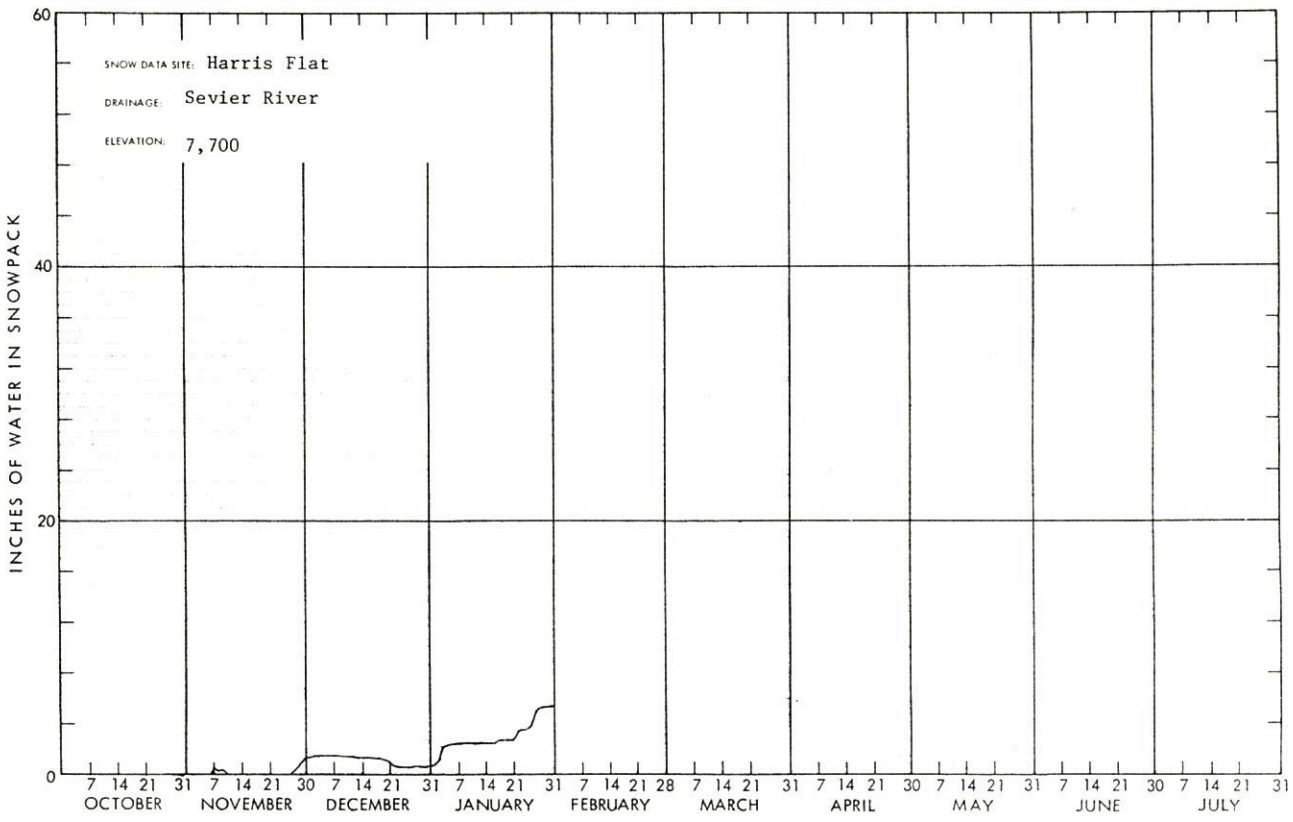

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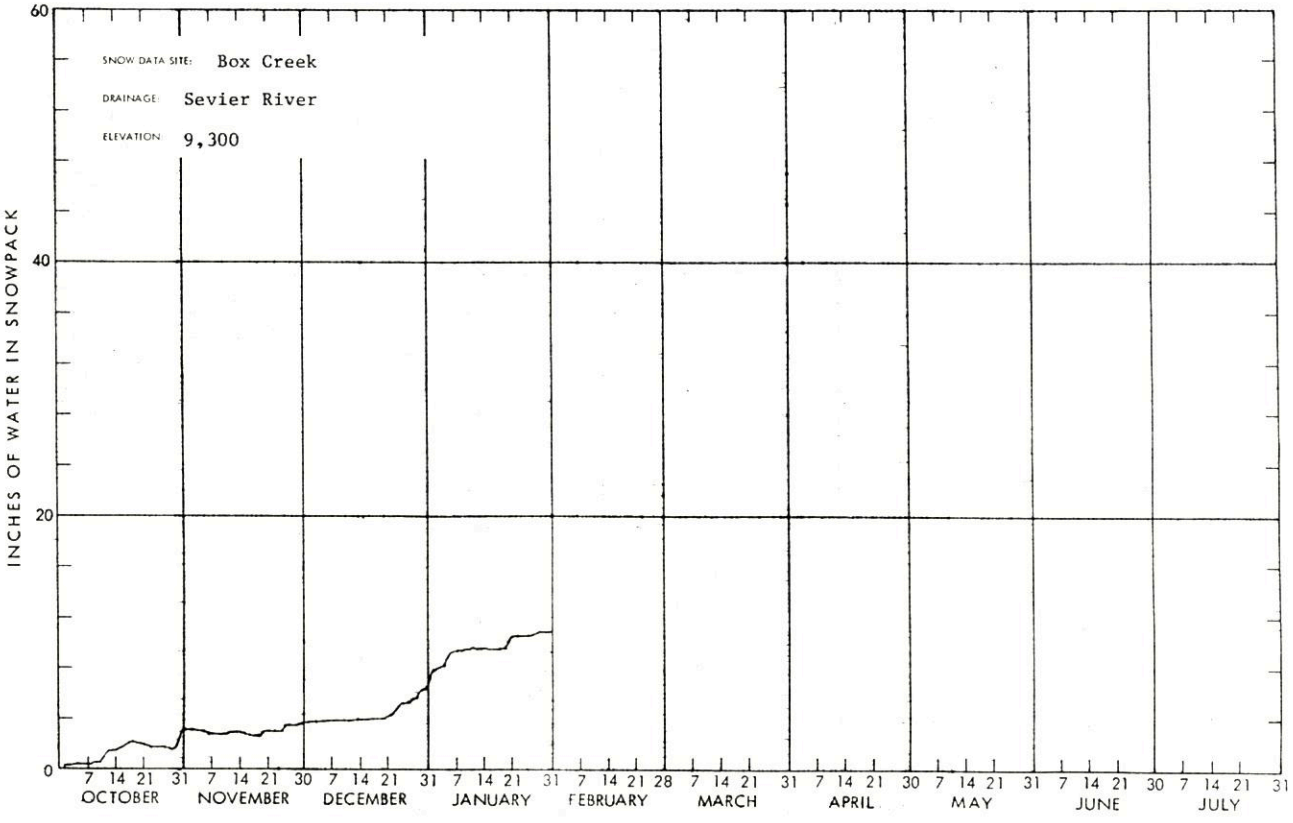

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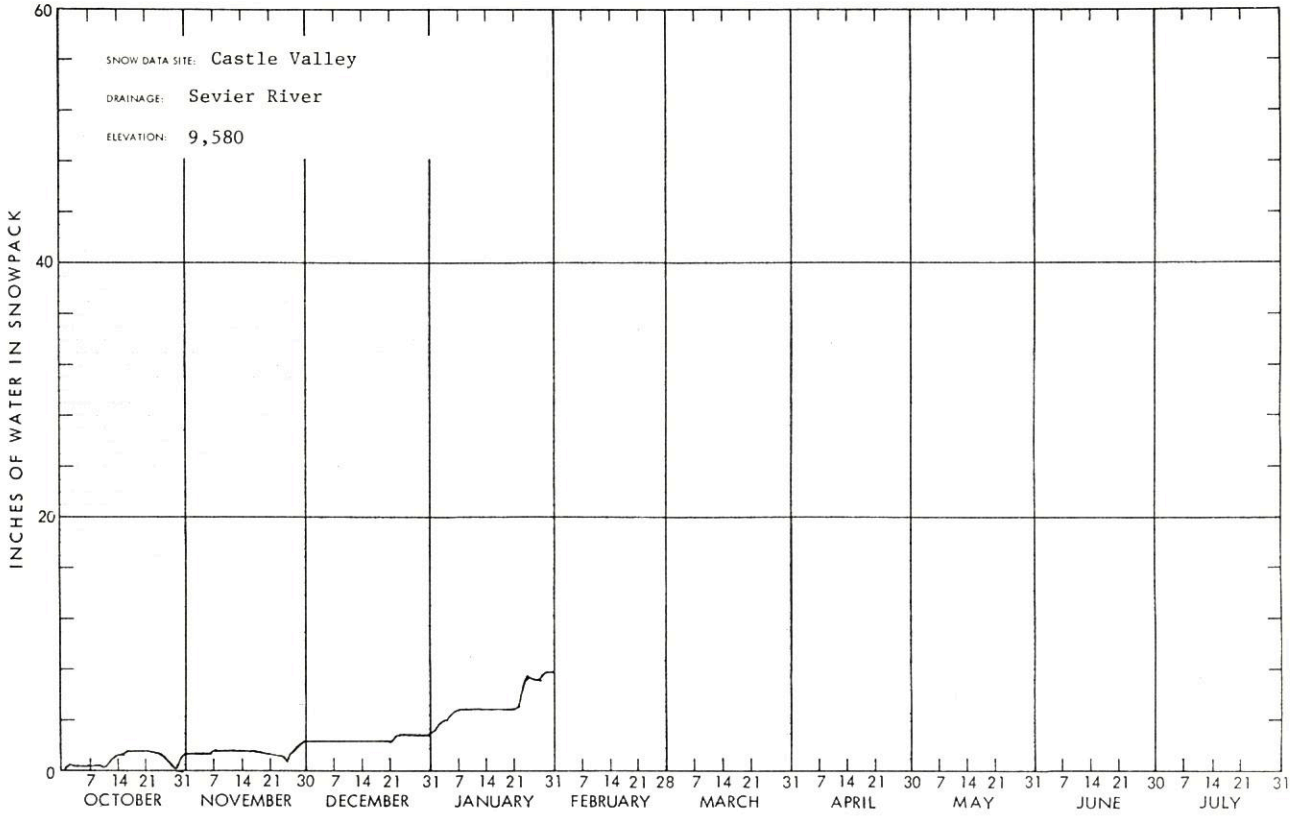

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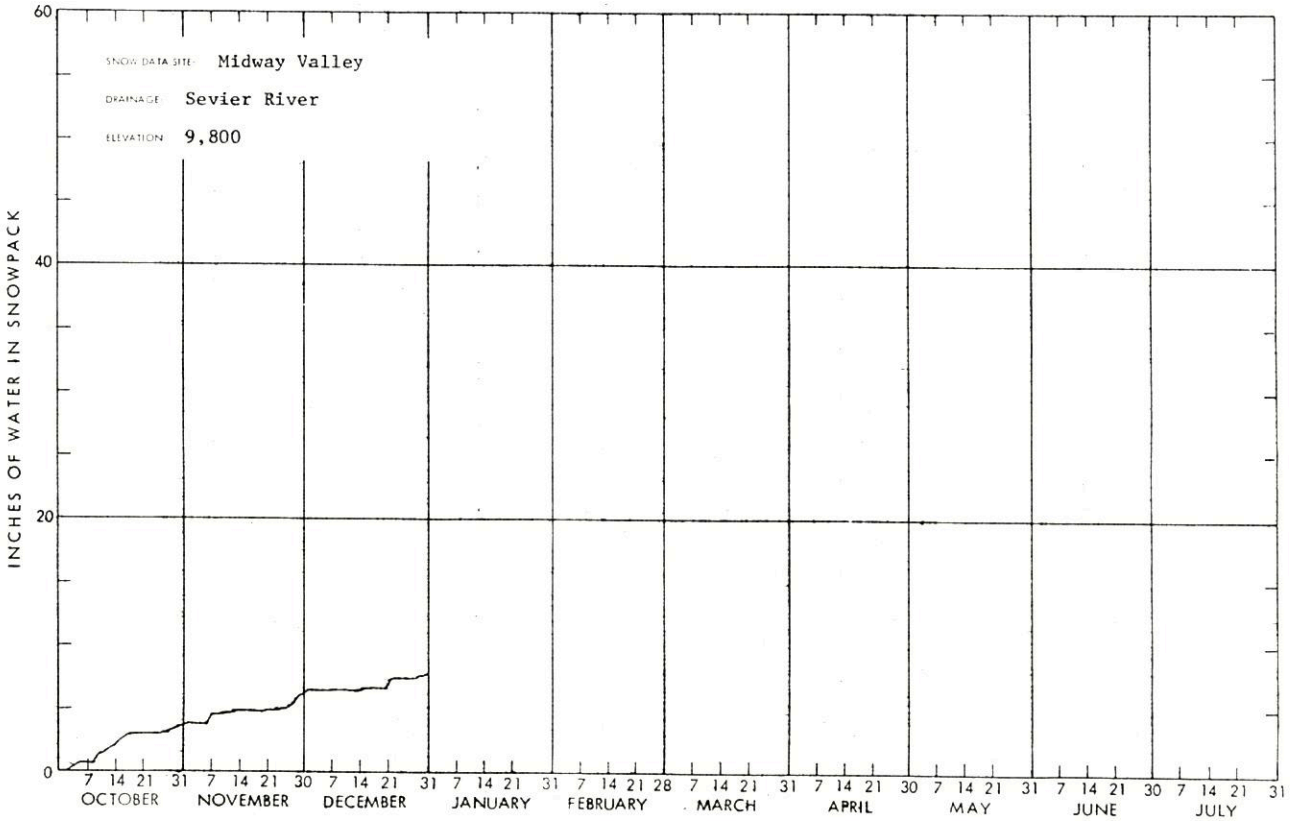

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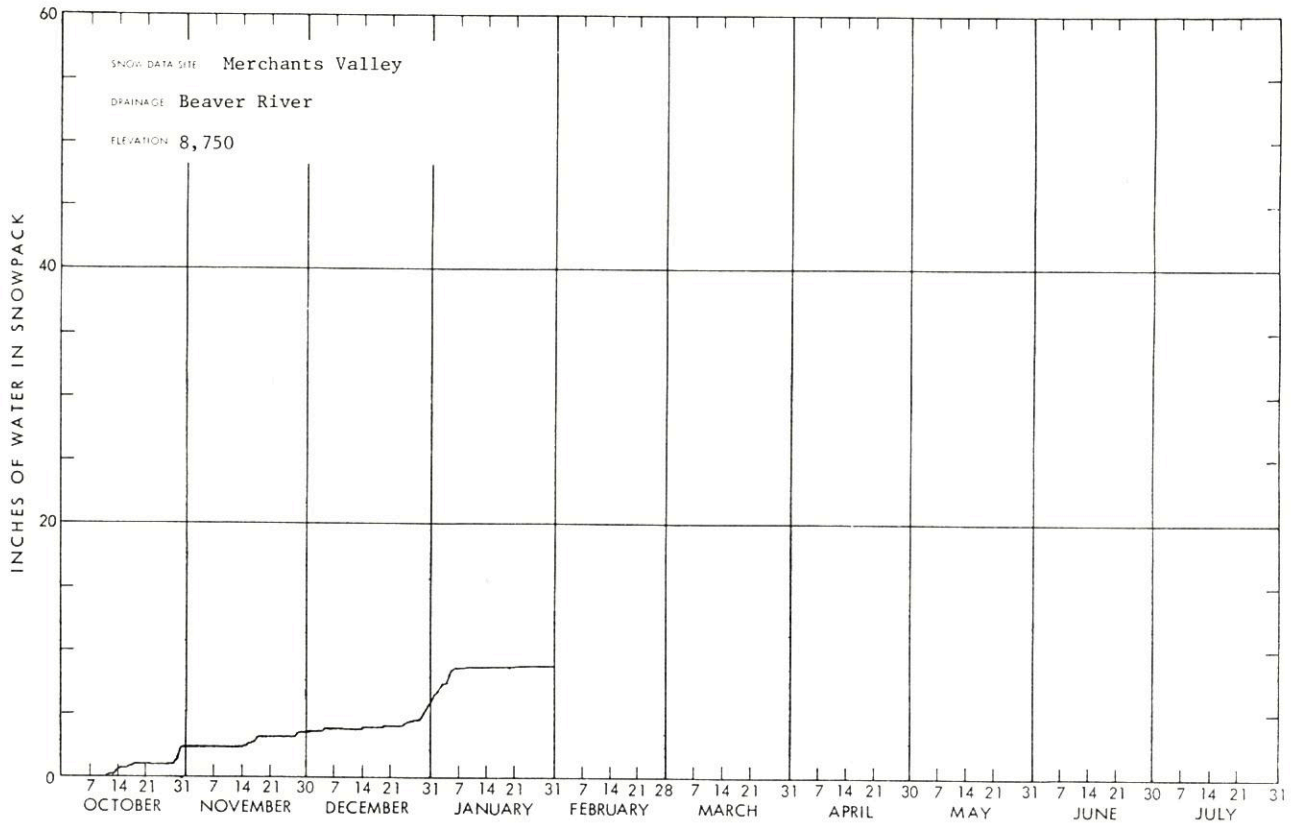

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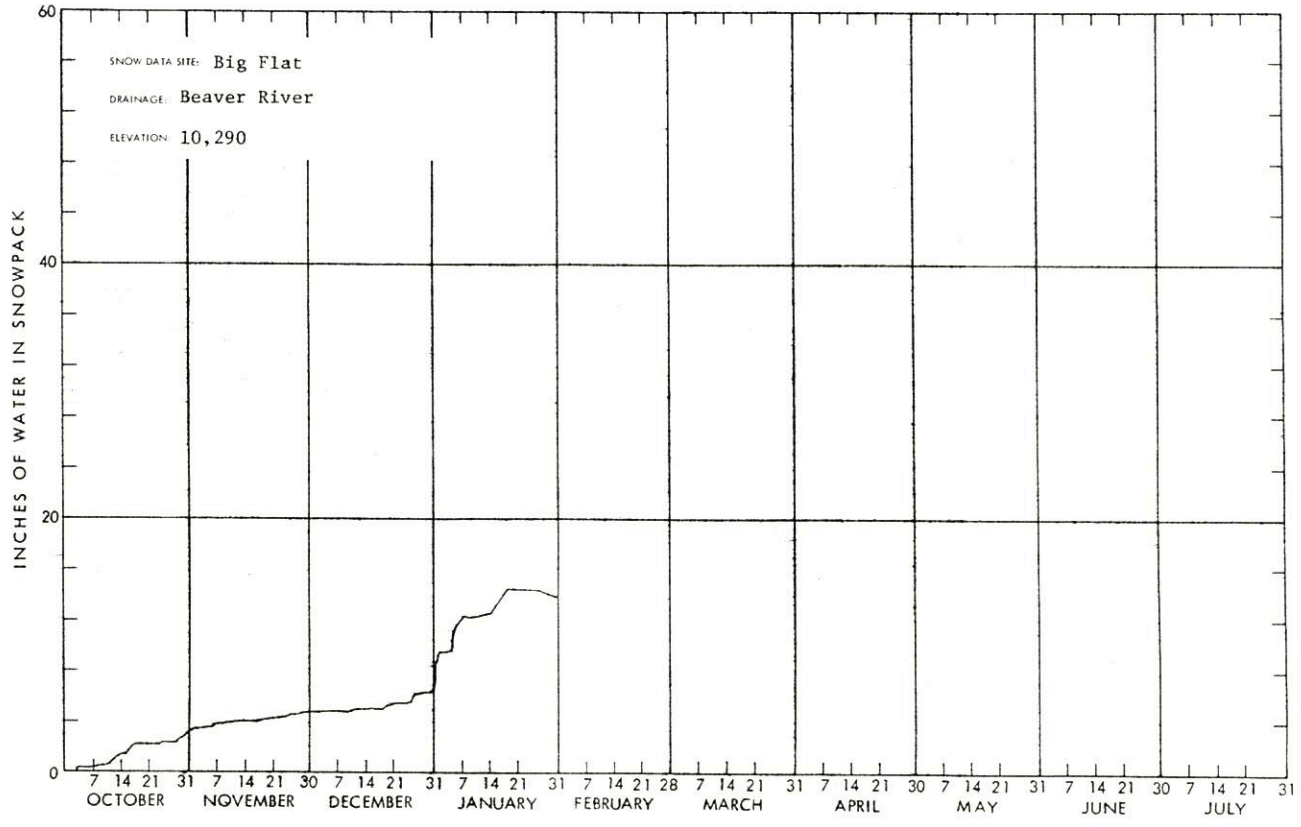

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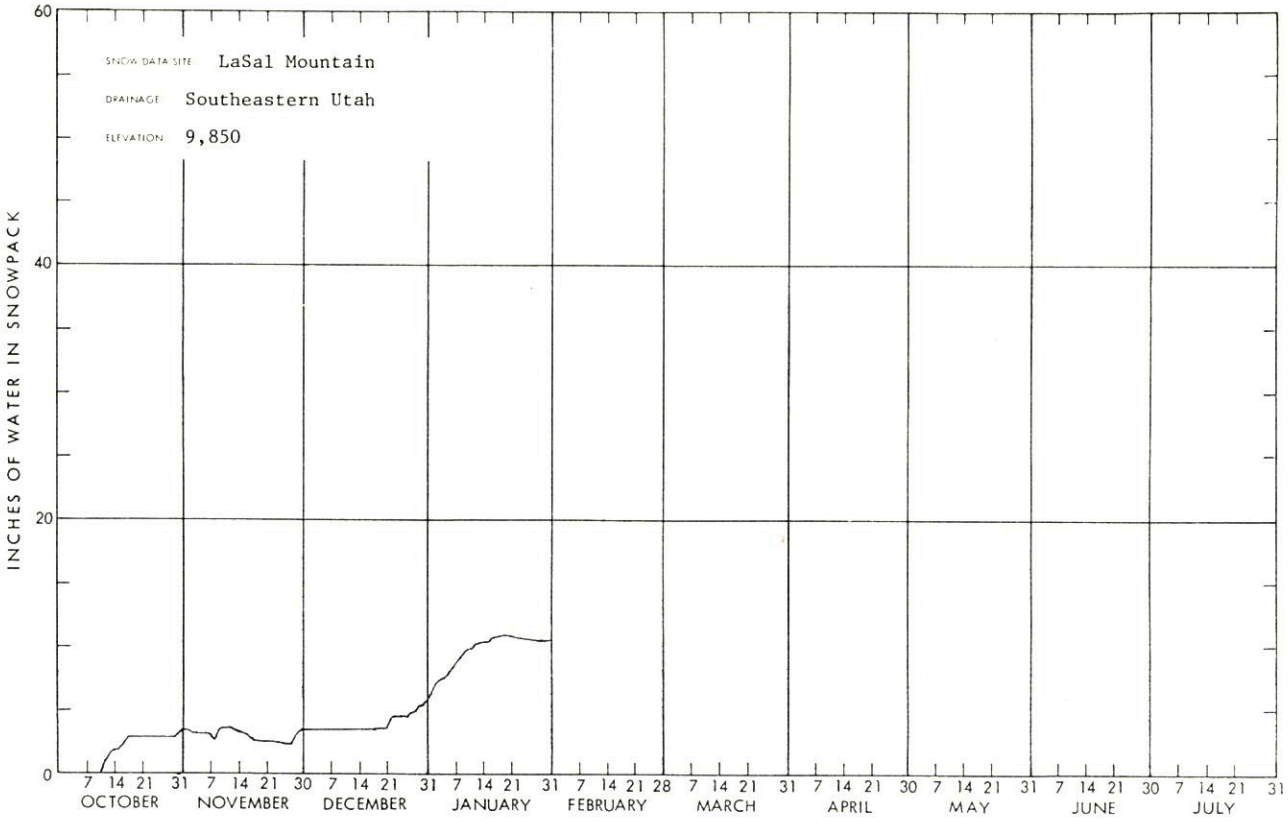

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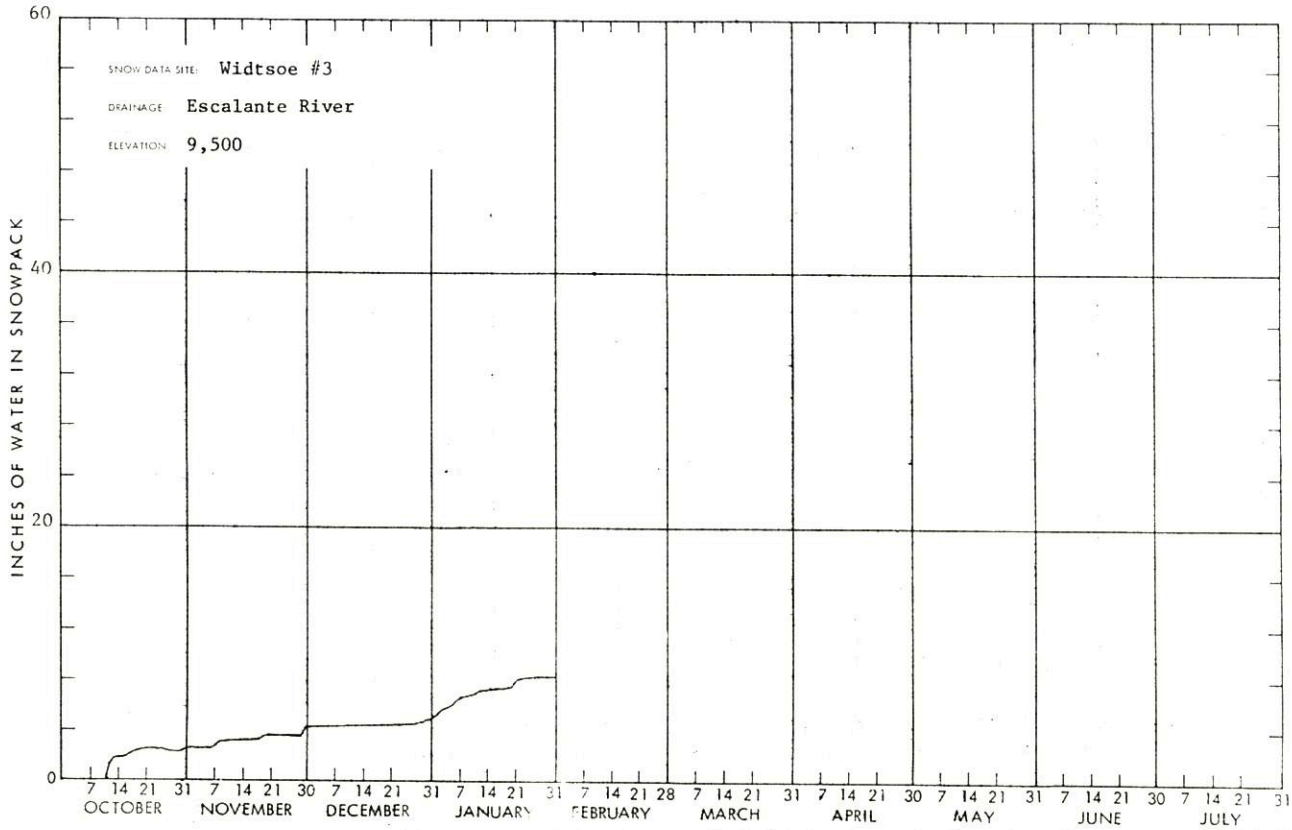

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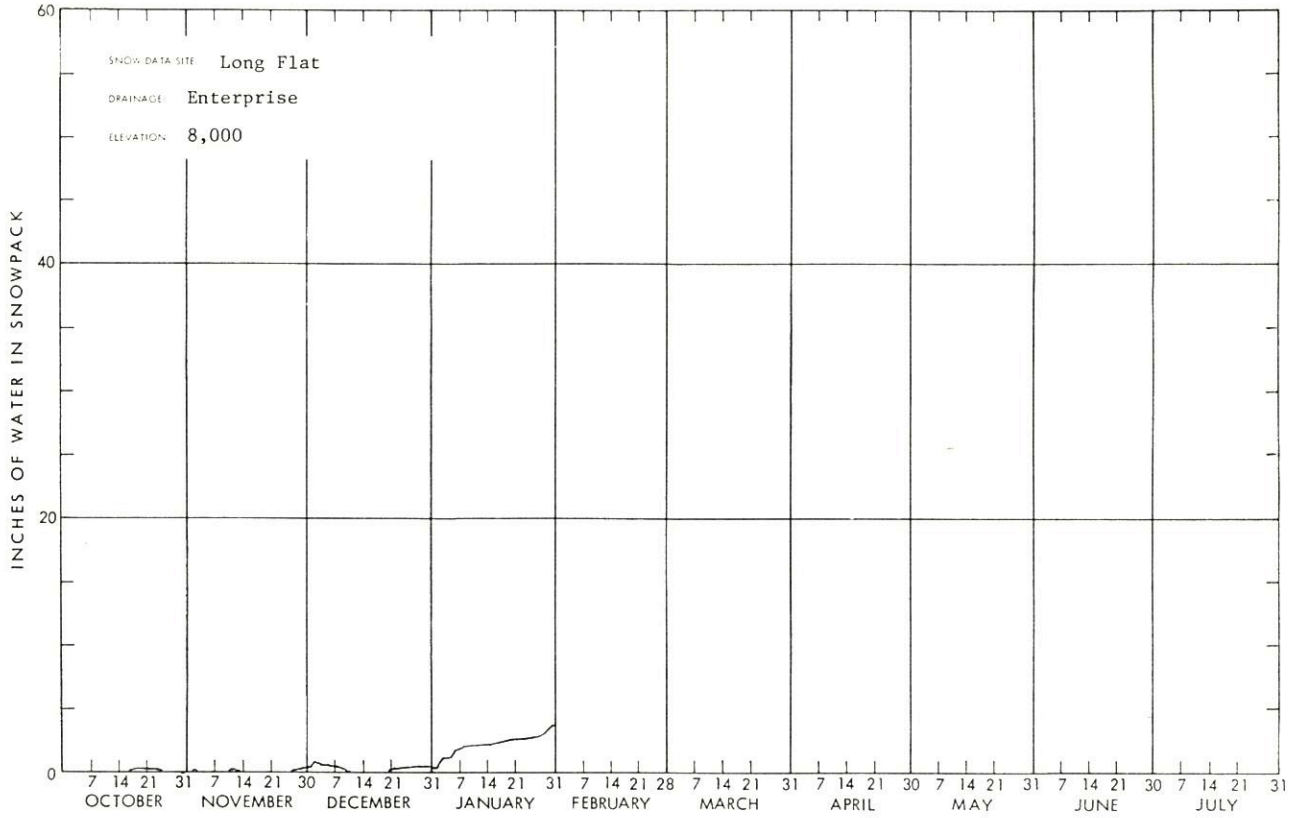
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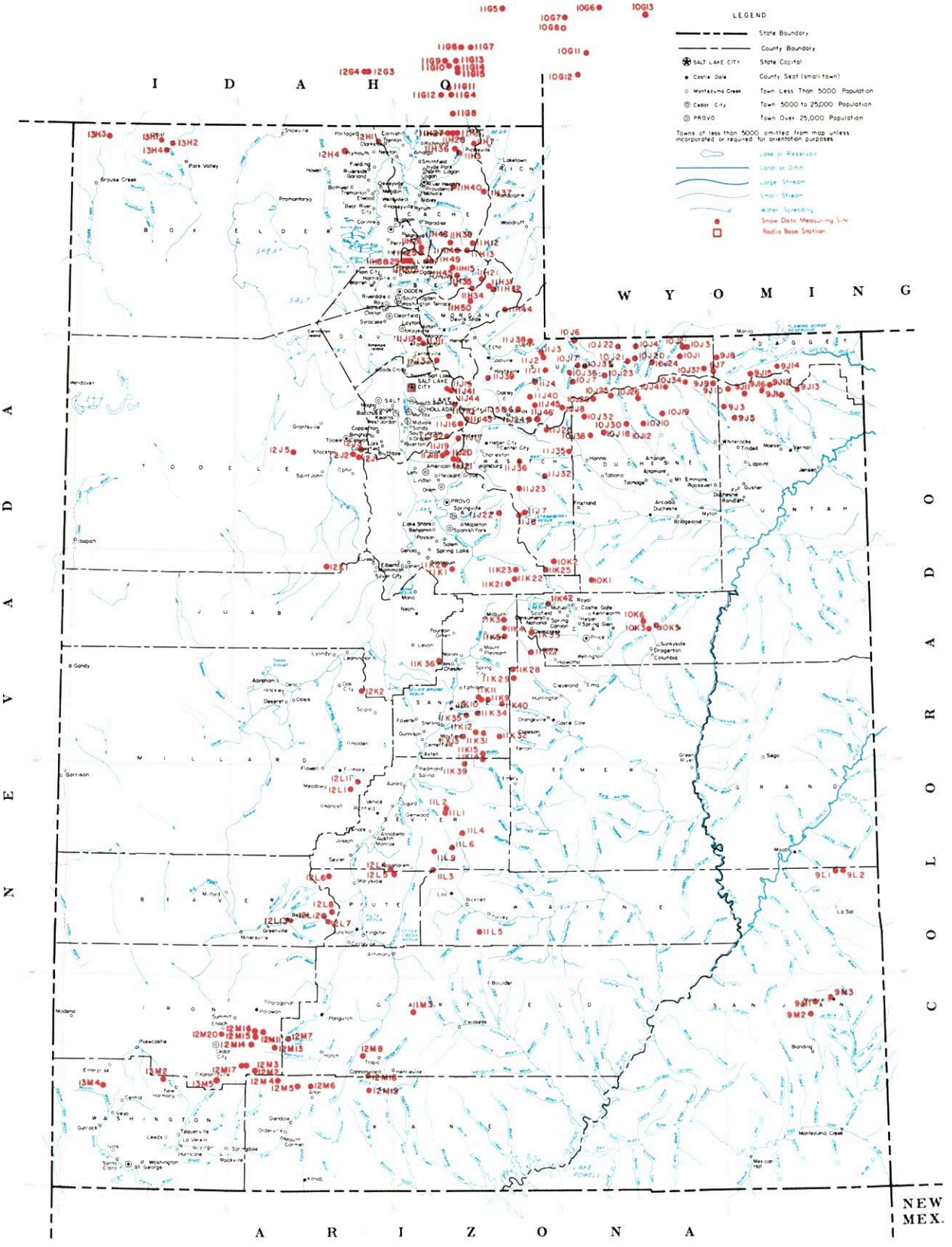
DRAINAGE Enterprise
ELEVATION 8,000
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

USDA-SCS PORTLAND, OR 1981 MP-01-22027

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M2P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Snotel Data Site

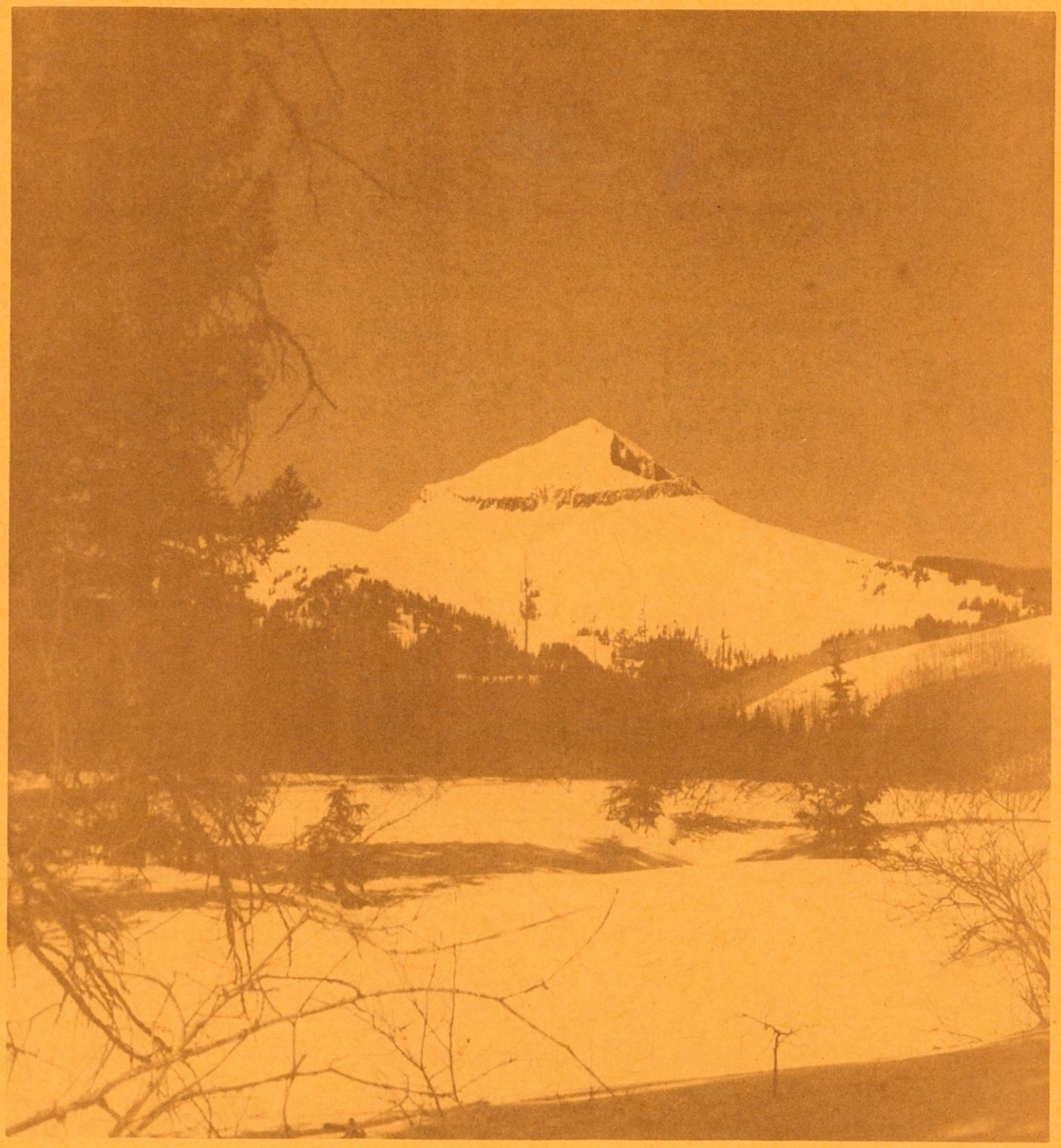
United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources



March 1, 1982

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

NORMAN A. BERG
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WASHINGTON, D.C.

Released by

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STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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Report prepared by Snow Survey Staff

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Salt Lake City, Utah 84147

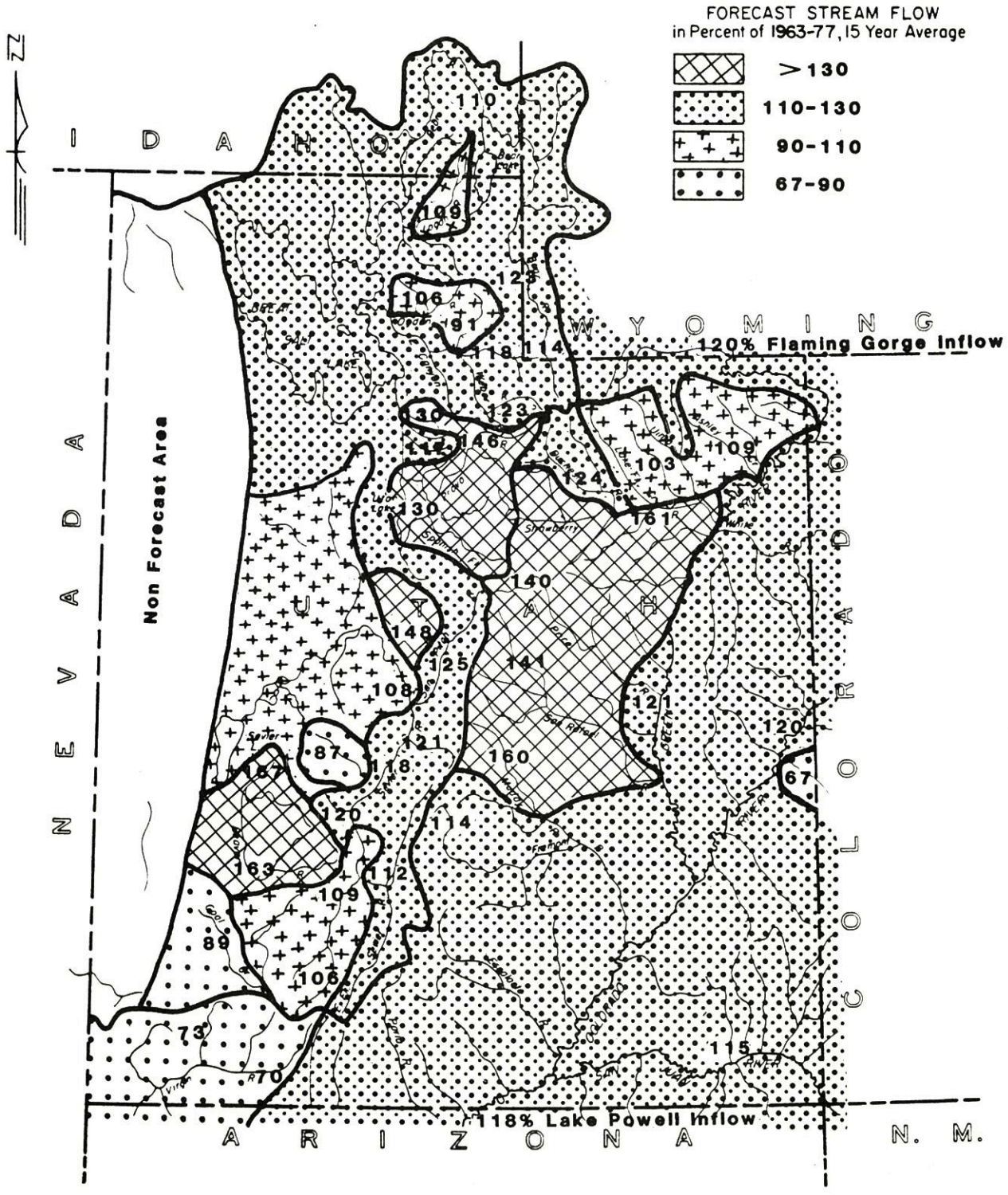
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

March 1, 1982

Approximate Date

50 0 50 100
SCALE IN MILES



WATER SUPPLY OUTLOOK

as of March 1, 1982

* Utah's 1982 Water Supply Outlook was dimmed slightly by a drier than average February and remains below average in the southern part of the state to slightly above average in northern Utah. Snow cover now ranges from 52% in the southwest corner to 150% on the Muddy River.

* Reservoir storage is 106% of average and streamflow forecasts range from 67% for Mill Creek near Moab to 167% for the Inflow to Minersville Reservoir.

SNOW COVER

Snow measurements completed the last of February show less than average increases for the month. Basin averages now range from 52% for the Enterprise-New Harmony area to 150% on the Muddy River in Emery County.

Bear River Basin is 123% of the March 1 average, Ogden and Weber Basins 119%, Provo-Utah Lake 129%, Jordan River-Salt Lake Front 124%, Duchesne River 123%, Price River 139%, San Rafael 137%, Fremont 129%, Beaver River 137%, South Fork Sevier 89%, Lower Sevier 120%, Virgin River 74%, LaSal Mountains 91% and Blue Mountains 80% of the March 1 average.

PRECIPITATION

Precipitation measured at mountain stations ranged from 41% of the February average at Lakefork Mountain in Uintah Basin to 135% at Hayden Fork on Bear River. Precipitation was generally near average on the Bear, Ogden, Weber and Provo Rivers and below average in the Uintah Basin and the southern half of the state with a few exceptions on Salina Creek and the Upper Fremont River.

SOIL MOISTURE

Watershed soils have near average moisture except in southern Utah where fall precipitation was below average.

RESERVOIR STORAGE

Storage in 24 of Utah's key irrigation reservoirs is now 106% of the March 1 average and 74% of useable capacity. Storage in these reservoirs averages 10% less than last year at this time.

Utah Lake is 0.5 feet below compromise and Great Salt Lake was 4,199.20 feet above sea level or 0.65 feet less than a year ago.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts now range from 67% of average for Mill Creek near Moab to 167% of average for the Inflow to Minersville Reservoir.

Forecasts generally dropped slightly due to below average increases to the snow pack during February.

Bear River is forecast 114% at Utah-Wyoming state line and 110% at Harer, Idaho. Logan River is forecast 109% of average, Pineview Inflow 106%, Lost Creek 91%, Weber near Oakley 123%, Chalk Creek 118%, and East Canyon 115% of the April-June average.

Provo River is forecast 146% at Hailstone, 138% at Deer Creek and 130% for the Inflow to Utah Lake.

Duchesne forecasts range from 103% on Lakefork to 161% for the Duchesne at Myton. Ashley Creek is forecast 109% and Uintah River 108%.

Inflow to Scoffield is forecast 140%, Huntington Creek 141%, Cottonwood Creek 156%, Ferron Creek 159%, and Muddy Creek 160% of the April-July average.

The Sevier is forecast 106% at Hatch, 109% at Kingston, 108% at Gunnison and Salina Creek 121%. Beaver River is forecast 163% at Beaver and North Creeks 143% of the April-July average. Coal Creek is forecast 89% of average and Virgin River 70% of average for the April-June period.

Peak flows are not expected to be a problem from snow melt runoff this year except possibly on the Beaver, San Rafael, and Muddy Rivers.

Water supplies are expected to be adequate for all users except in the southern part of the state where late season shortages are expected unless above average precipitation occurs in the next few months.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	913.2	1052.9	1030.6
	Woodruff Narrows	57.3	24.7	20.2	20.5
Beaver River	Minersville (RkyFd)	23.3	17.7	24.1	13.5
Little Bear	Hyrum	15.3	10.4	10.5	10.9
	Porcupine	11.3	2.6e	3.8	3.6
Ogden	Causey	6.9	3.6	4.4	2.0b
	Pineview	110.1	73.5	62.0	49.9
Provo	Deer Creek	149.7	107.0	115.2	106.6
Settlement Creek	Settlement Creek	1.2	0.6	0.5	
	Vernon Creek	0.6	0.4	0.6	
Sevier River	Gunnison	18.2	16.0	18.2	14.0
	Otter Creek	52.5	44.8	52.5	33.1
	Piute	71.8	64.4	70.5	44.9
	Sevier Bridge	236.0	198.5	230.8	131.4
	Panguitch Lake	22.3	18.5		
Spanish Fork	Strawberry	270.0	177.0	216.3	153.7
Utah Lake	Utah Lake	883.9	850.8	873.3	719.8
Weber	East Canyon	48.1	34.2	37.8	28.3
	Echo	73.9	53.3	58.0	51.7
	Lost Creek	20.0	13.0	16.5	13.2b
	Rockport	60.9	27.5	44.3	32.8
	Willard Bay	193.3	141.2	175.6	135.1
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	23.0	26.7	21.9
Colorado	Blue Mesa	829.5	267.6	446.0	
	Lake Powell	25002.0	1947.0	21635.0	
Green	Flaming Gorge	3749.0	2663.9	2970.0	
Lakefork	Moon Lake	35.8	18.6e	16.7	18.3
Price River	Scofield	65.8	35.7	50.4	35.8
San Juan	Navajo	1696.0	1202.9	1253.0	
	Ken's Lake	2.7	1.3		
San Rafael	Huntington North	3.9	2.7	2.8	3.0b
	Joe's Valley	54.6	31.7	37.0	36.9b
	Mill Site	16.7	6.6	10.0e	
Strawberry	Starvation	165.3	144.4	150.7	130.0b
Uintah	Bottle Hollow	11.3	11.1	11.3	9.9b

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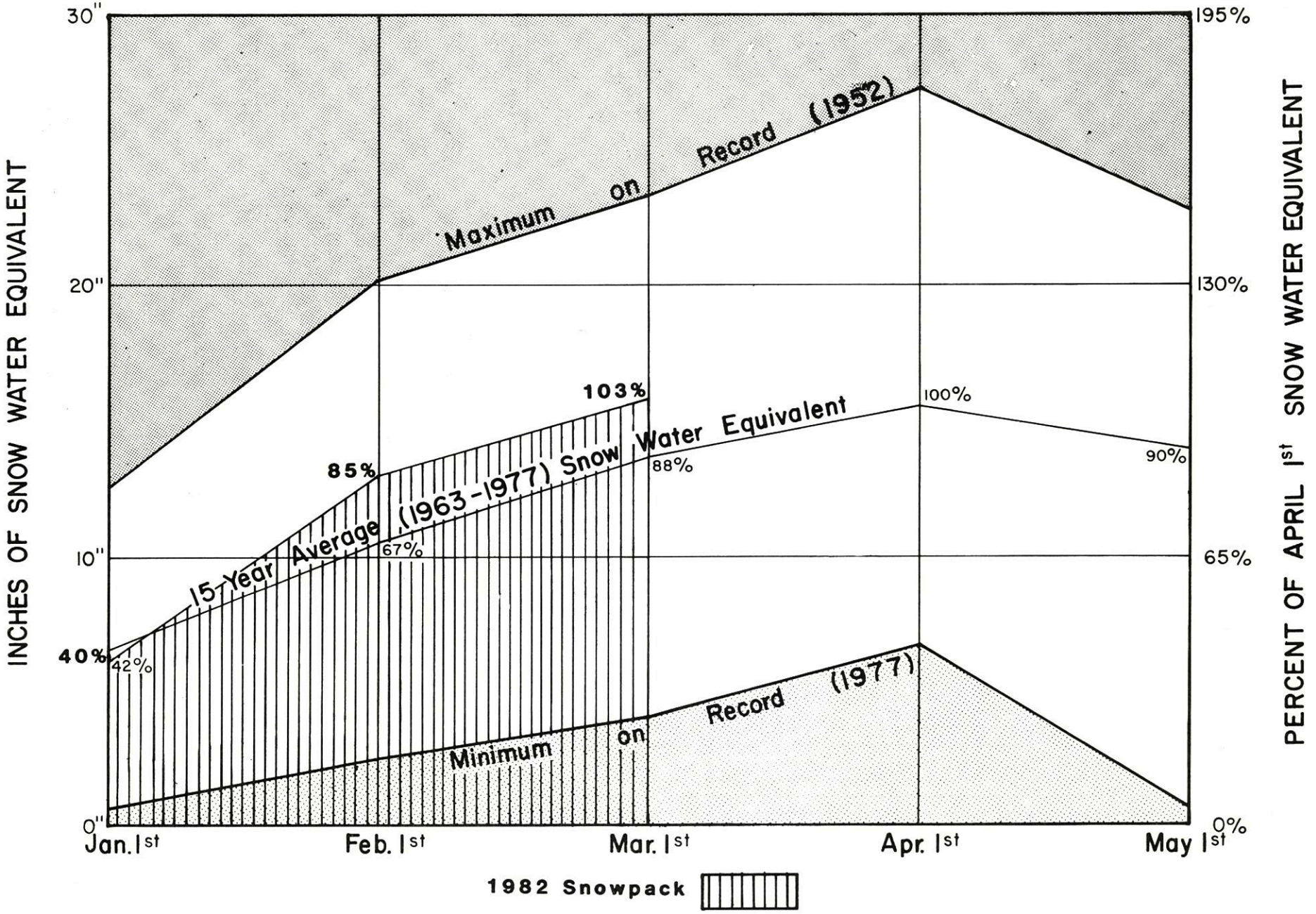
UTAH'S WINTER SNOWPACK

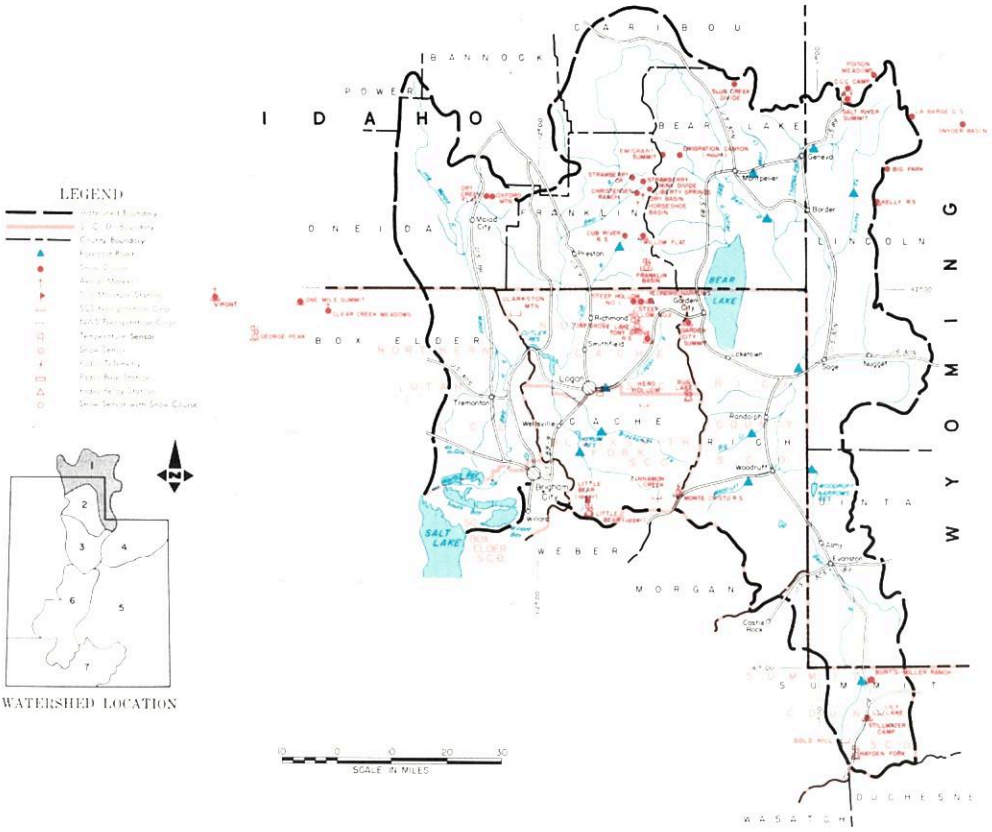
Data based on 79 selected snow courses



Soil Conservation Service, Salt Lake City, Utah

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER did not increase as much as expected and now ranges from 108% on Raft River to 127% on Logan River.

PRECIPITATION at mountain locations ranges from 68% of the February average at Bug Lake to 135% at Hayden Fork.

SOIL MOISTURE is good at higher elevations.

RESERVOIR STORAGE is still slightly below average except in Woodruff Narrows which is 120% of average. Bear Lake is 89% of average.

STREAMFLOW FORECASTS range from 94% of the April-July average on Woodruff Creek to 123% for the Bear near Woodruff. Bear at Stateline is forecast 114% and Logan River 109% of average. Peak flows are not expected to present a problem unless above normal precipitation and temperature occur early this spring.

All water users should have a near average supply this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

Basin: STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	130	114	Apr-July	100	114
Bear nr Woodruff	182	123	Apr-July	121	148
Woodruff Crk nr Woodruff, UT	17.3	94	Apr-July	5.4	18.4b
Big Creek nr Randolph, UT	5.8	107	Apr-July	--	5.4b
Bear nr Randolph	139	116	Apr-July	60	120
Thomas Fork nr UT-WY State Ln	44	124	Apr-Sept	8.3	35
Smith's Fork nr Border, WY	137	114	Apr-Sept	60	120
Bear at Harer, Idaho 1/	366	110	Apr-Sept	105	332
Logan nr Logan 1/	129	109	Apr-July	67	118
Blacksmith Fork nr Hyrum	60	112	Apr-July	23	54
Little Bear nr Paradise	42	111	Apr-June	10.2	38
Cub River nr Preston, ID	56	112	Apr-Sept	--	52

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	18	270	123
UPPER BEAR RIVER	4	238	115
LOWER BEAR RIVER	14	278	124
LOGAN RIVER	7	293	127
UPPER RAFT RIVER	2	170	108

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	913.2	1052.9	1030.6
	Woodruff Narrows	57.3	24.7	20.2	20.5
LITTLE BEAR	Hyrum	15.3	10.4	10.5	10.9
	Porcupine	11.3	2.6e	3.8	3.6

† - 1963-77 15 year Average Period
e - estimasted

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	2/25	18	5.8	3.1	--
Cub River R.S.	2/23	23	8.4	4.9	8.4
Emigrant Summit	2/24	78	29.4	8.5	21.7
Franklin Basin	2/23	70	26.2	10.2	22.7
Hayden Fork	2/25	45	15.1	6.8	12.7a
Klondike Narrows	2/23	59	21.5	7.5	17.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	2/24	25	9.9	4.6	9.2
Little Bear Upper	2/24	30	11.5	5.1	10.9
Monte Cristo	2/24	67	24.8	7.9	22.0
Salt River Summit	2/25	61	17.8	8.2	14.4
Stillwater Camp	2/25	37	11.0	3.7	
Tony Grove R.S.	2/24	41	12.8	4.1	10.9

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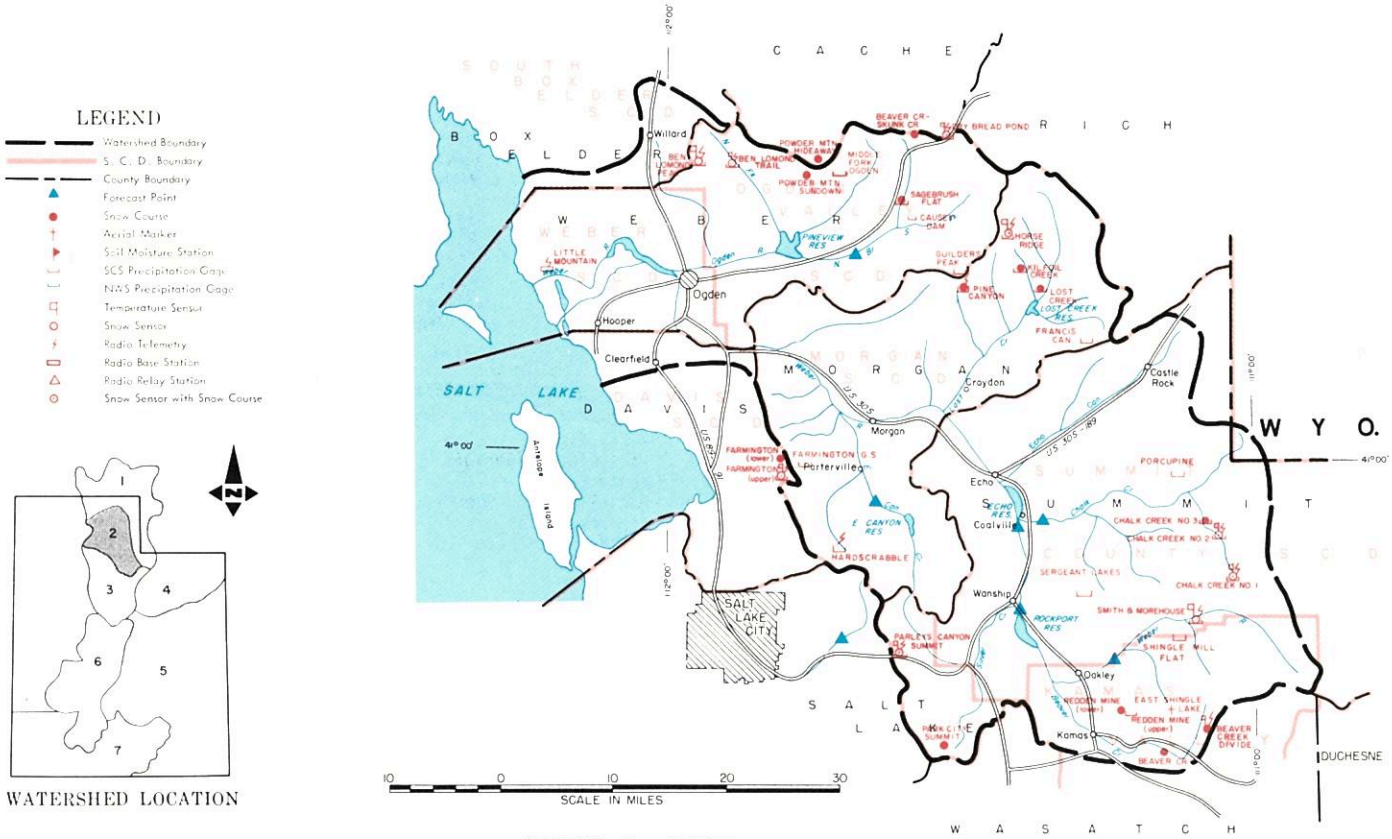
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 119% of the March 1 average for the Ogden and Weber River Basins. Snow water content on the Ogden is about three times last year at this time and better than twice last year on the Weber Basin.

PRECIPITATION at mountain stations ranged fro m 92% of the February average at Dry Bread Pond to 143% at Ben Lomond Trail. Weber Basin precipitation ranged from 75% at Smith-Morehouse to 128% at Farmington Guard Station.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is 149% of the February 1 average on the Ogden and 104% on the Weber Basin.

STREAMFLOW FORECASTS range from 91% of the April-June average for Lost Creek to 128% for Rockport Reservoir Inflow. Pineview Inflow is forecast 106% and Weber at Oakley 123%. Peak flows are expected to be in the near average range and are not expected to cause problems with near normal precipitation and temperatures. Near average water supplies are expected for all uses this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN: STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	129	123	Apr-June	99	104
Rockport Reservoir Inflow 1/	143	128	Apr-June	106	112
Chalk Creek at Coalville	46	118	Apr-June	30	39
Weber nr Coalville	154	125	Apr-June	87	123
Lost Creek nr Croydon, UT	15.8	91	Apr-June	3.9	17.4b
East Canyon Creek nr Morgan 1/	30	115	Apr-June	11.4	26
Hardscrabble Crk nr Porterville	17.5	122	Apr-June	--	14.4e
South Fork Ogden nr Huntsville	58	102	Apr-June	19.9	57
Pineview Reservoir Inflow 2/	122	106	Apr-June	36	115
Echo Reservoir Inflow	196	122	Apr-June	109	160
Weber at Gateway	379	122	Apr-June	165	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	9.9	122	Apr-July	5.1	8.1b

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON to THE PREVIOUS YEAR)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	301	119
WEBER RIVER	12	236	119

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
OGDEN	Causey	6.9	3.6	4.4	2.0b
	Pineview	110.1	73.5	62.0	49.9
WEBER	East Canyon	48.1	34.2	37.8	28.3
	Echo	73.9	53.3	58.0	51.7
	Lost Creek	20.0	13.0	16.5	13.2b
	Rockport	60.9	30.1	44.3	32.8
	Willard Bay	193.3	141.2	175.6	135.1

+ - 1958-72 15 year Average Period

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Beaver Creek R.S.	2/25	27	9.9	3.8	7.5
Beaver Creek-Skunk Creek	2/24	35	12.2	3.8	10.8
Ben Lomond Peak	2/24	93	34.7	13.3	29.1
Ben Lomond Trail	2/24	50	19.6	6.9	15.7b
Chalk Creek #1	2/25	72	24.9	11.4	18.0
Chalk Creek #2	2/25	48	15.0	8.3	12.2
Chalk Creek #3	2/25	23	7.8	4.4	6.7
Dry Bread Pond	2/24	52	18.4	6.3	16.0

SNOW

DRAINAGE BASIN and or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Horse Ridge	2/24	61	22.2	7.0	18.2b
Lost Creek Reservoir	2/24	19	7.1	0.0	4.9b
Monte Cristo	2/24	67	24.8	7.9	22.0
Parleys Canyon Summit	2/25	54	17.8	7.6	16.1
Sagebrush Flat	2/24	18	6.5	0.1	5.0
Smith & Morehouse	2/25	35	13.0	6.3	11.4
Trial Lake	2/25	77	28.1	12.1	20.0

e - estimated

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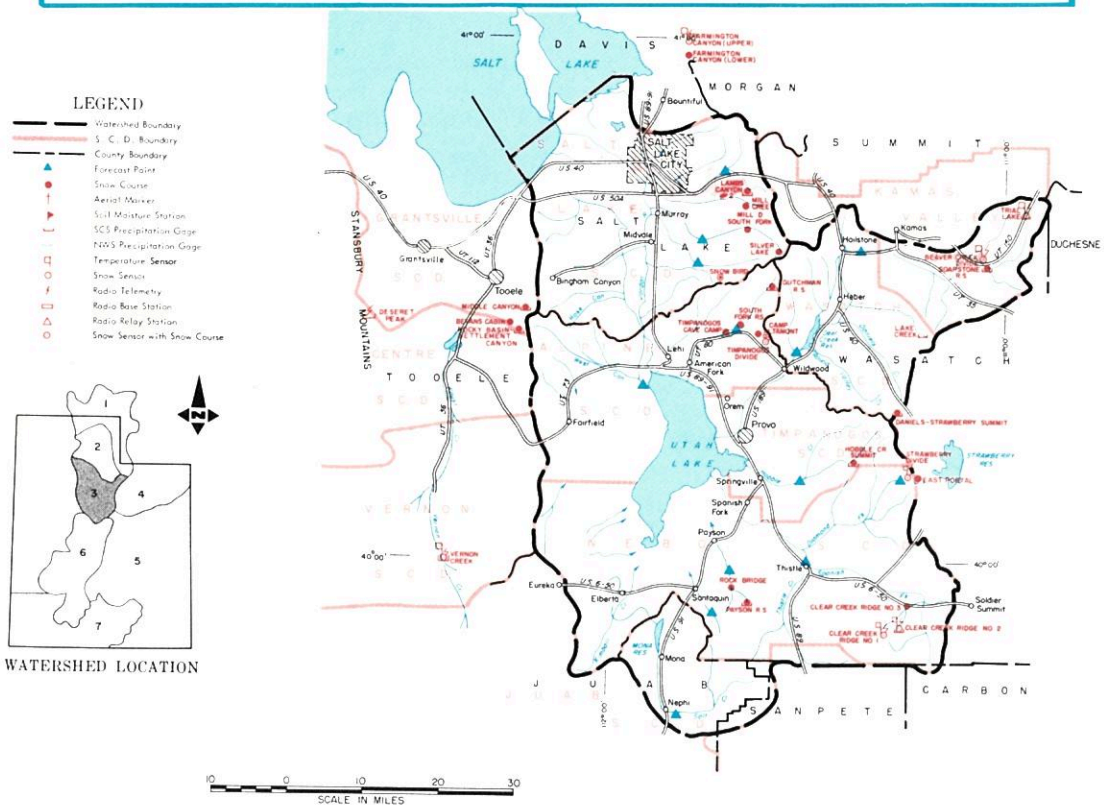
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER received less than average increase for February and now ranges from 84% of average for Tooele Valley to 129% on the Provo Utah Lake. The Salt Lake front is 124% of the March 1 average.

PRECIPITATION at mountain stations varied from 73% of the February average at Trial Lake to 104% at Clear Creek No. 2. The October-February total ranges from 120-139% of average

SOIL MOISTURE is near average in the top 1 to 2 feet.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 90% of the April-June average for Vernon Creek to 146% for Provo at Hailstone. Strawberry Reservoir Inflow is forecast 135% of average and Utah Lake Inflow 130% of the April-July average.

Water user's in this area are expected to have average or better water supplies this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	149	146	Apr-July		109
Provo below Deer Creek Dam 1/	165	138	Apr-July		120
American Fork nr American Fork	40	132	Apr-July		31
Hobble Creek nr Springville	26	145	Apr-July		19.7[b]
Strawberry Reservoir Inflow 1/	70	135	Apr-July	17.4	52
Spanish Fork at Thistle	54	138	Apr-July		39[b]
Payson Creek nr Payson	7.4	117	Apr-July		6.3
Utah Lake Inflow	316	130	Apr-July		244
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	44	117	Apr-July		38
Big Cottonwood nr SLC	47	124	Apr-July		38
Parley's Creek nr SLC	20	130	Apr-July		15.4
Mill Creek nr SLC	8.1	129	Apr-July		6.3
Emigration Creek nr SLC	4.7	117	Apr-July		4.9
City Creek nr SLC	9.4	118	Apr-July		10.7
TOOELE VALLEY					
Vernon Creek nr Vernon	0.9	90	Mar-June	1.0	1.0
Settlement Crk nr Tooele	2.2	96	Apr-July	--	2.3
S. Willow Crk nr Grantsville	3.3	114	Apr-July	1.7	2.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	13	238	129
JORDON RIVER & SALT LAKE	2	229	124
TOOELE VALLEY	2	132	84

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction
a-Partly estimated

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OF STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SPANISH FORK	Strawberry	270.0	177.0	216.3	153.7
UTAH LAKE	Utah Lake	883.9	850.0	873.3	719.8
	Settlement Creek	1.2	0.6	0.5	--
	Vernon Creek	0.6	0.4	0.6[e]	--
PROVO	Deer Creek	149.7	113.0	115.2	106.6

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Hobble Creek nr Springville		
Spanish Fork nr Thistle		
Big Cottonwood nr Salt Lake City		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Camp Altamont	2/27	41	17.1	9.8	13.4
Clear Creek #1	2/27	53	19.1	7.0	15.6
Clear Creek #2	2/27	47	16.1	6.5	11.8
Clear Creek #3	2/27	28	10.1	2.8	6.9
Daniels-Strawberry Summit	2/27	41	14.8	5.3	12.3
Desert Peak	3/1	64	24.6	15.1	--
Dutchman R.S.	2/27	53	22.0	10.6	14.4
Hobble Creek Summit	2/27	46	16.8	5.2	12.3
Lambs Canyon #2	2/25	48	17.8	8.1	--
Middle Canyon	3/1	26	9.3	7.5	12.1
Mill Creek	2/25	57	19.3	8.4	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Mill D South Fork	2/26	55	21.5	8.8	17.1
Parleys Canyon Summit	2/25	54	17.8	7.6	16.1
Payson R.S.	2/22	52	19.2	6.6	16.5[b]
Rocky Basin-Settlement Canyon	3/1	56	20.3	12.9	--
Silver Lake Brighton	2/26	70	26.2	11.1	19.6
Soapstone R.S.	2/25	41	13.9	6.0	11.1
South Fork R.S.	2/27	21	9.4	3.6	6.1
Timpanogos Divide	2/27	60	23.0	12.8	21.5
Trial Lake	2/25	77	28.1	12.1	20.0
Vernon Creek	2/28	28	8.6	6.1	9.3[a]

a - Partly estimated
e - Estimated

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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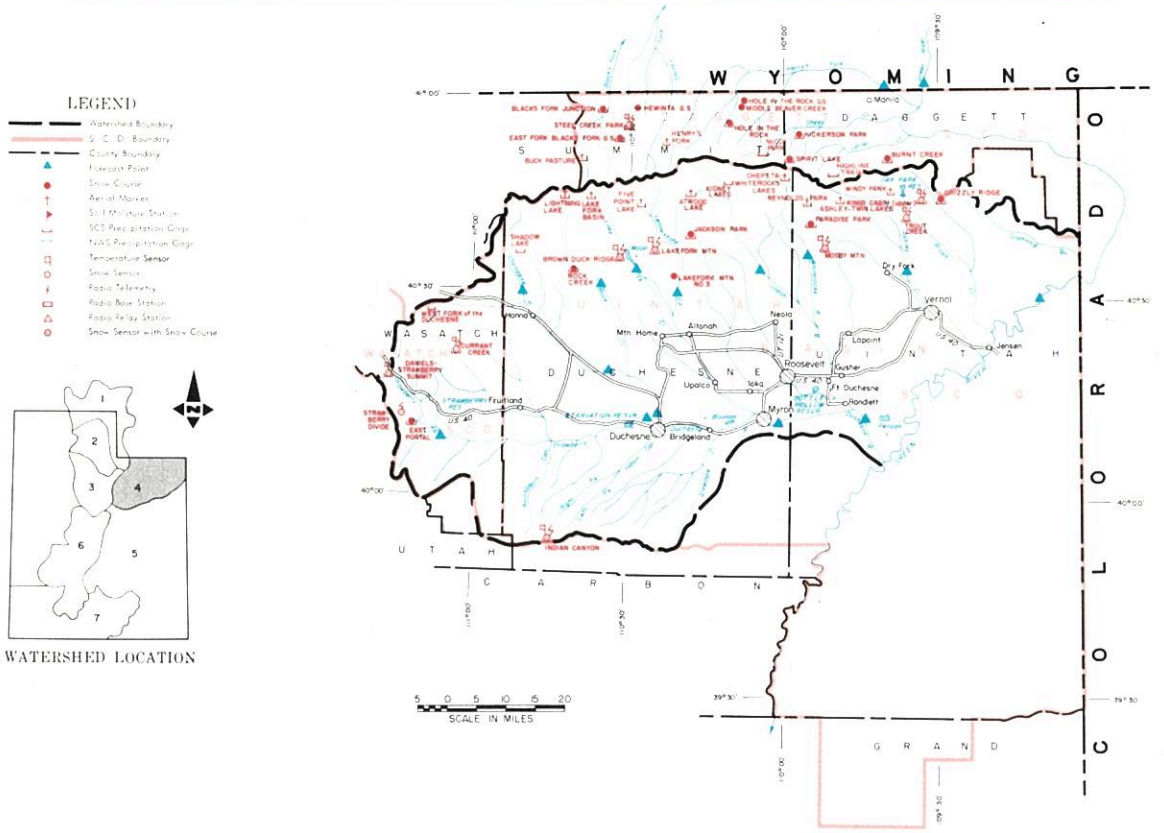

MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 104% on Ashley Creek to 146% on Rock Creek. Lakefork-Yellowstone Creeks are 114% and Strawberry River 138% of the March 1 average. Most snow courses received below average February increases.

PRECIPITATION at mountain stations varied from 41% of the February average at Lakefork Mountain to 98% at Burnt Creek above Manila.

SOIL MOISTURE is better than average in the top one to two feet of soil.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS dropped 3 to 10% on the south slope of the Uintahs and now range from 102% for Yellowstone to 150% for the Duchesne at Randlette. Forecasts on the north slope raised with the Black's Fork 128% and Henry's Fork 129% of the April-September average. Peak flows are expected to be near average this season unless above normal precipitation and temperature occur during the snow melt period. Water supplies are expected to be adequate for all users this season.

USDA SCS PORTLAND OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	136	127	Apr-July	73	107
Duchesne at Duchesne 1/	234	121	Apr-July	83	193
Strawberry at Duchesne	76	133	Apr-July	24	57
Rock Creek nr Mtn. Home	120	125	Apr-July	68	95
Currant Creek nr Fruitland	27	136	Apr-July	11.0	20
Lakefork below Moon Lake 1/	74	103	Apr-July	64	72
Yellowstone nr Altonah	68	102	Apr-July	46	67
Duchesne at Myton 1/	339	161	Apr-July	70	210
Whiterocks nr Whiterock	68	113	Apr-July	44	60
Uintah nr Neola	96	108	Apr-July	70	89
Duchesne at Randlett 1/	400	150	Apr-July	107	266
West Fork Duchesne at Hanna	34	131	Apr-July	15.4	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	67	129	Apr-Sept	17.9	52
Black's Fork at Millburne	118	128	Apr-July	87	92
Flaming Gorge Inflow 1/	1550	120	Apr-July		1292
Ashley Creek nr Vernal	56	109	Apr-July	35	51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	11	227	123
LAKEFORK-YELLOWSTONE CREEKS	4	188	114
STRAWBERRY RIVER	4	244	138
UINTAH - WHITEROCKS RIVERS	3	177	105
ASHLEY CREEK	4	171	104
BLACK'S FORK	4	238	139
ROCK CREEK	2	234	146

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
ASHLEY CREEK	Steinaker	33.3	23.0	26.7	21.9
GREEN RIVER	Flaming Gorge	3749.0	2663.9	2970.0	--
LAKE FORK	Moon Lake	35.8	18.6e	16.7	18.3
STRAWBERRY	Starvation	165.3	144.4	150.7	130.0b
UINTAH	Bottle Hollow	11.3	11.1	11.3	9.9b

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Strawberry at Duchesne		
Ashley Creek nr Vernal		

a - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Brown Duck Ridge	2/25	65	20.7	9.8	14.1a
Currant Creek	2/27	30	10.1	1.2	7.8a
Daniels-Strawberry	2/27	41	14.8	5.3	12.3
Hewinta G. S.	2/25	36	10.3	4.4	7.3
Hickerson Park	2/26	24	11.2	4.4	5.0b
Jackson Park	2/25	44	11.3	6.8	--
Kings Cabin Upper	2/25	32	8.6	5.4	8.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Lakefork Mountain	2/25	36	9.6	5.4	9.0
Mosby Mountain	2/26	29	7.5	3.6	7.7
Paradise Park	2/26	44	13.1	7.6	10.2
Rock Creek Ranch	2/25	22	7.4	2.2	--
Spirit Lake	2/26	42	11.6	8.6	9.7
Steel Creek Park	2/25	59	17.5	8.5	12.8b
Strawberry Divide	2/27	56	20.9	8.8	16.5
Trout Creek	2/26	33	8.3	5.6	--

e - Estimated

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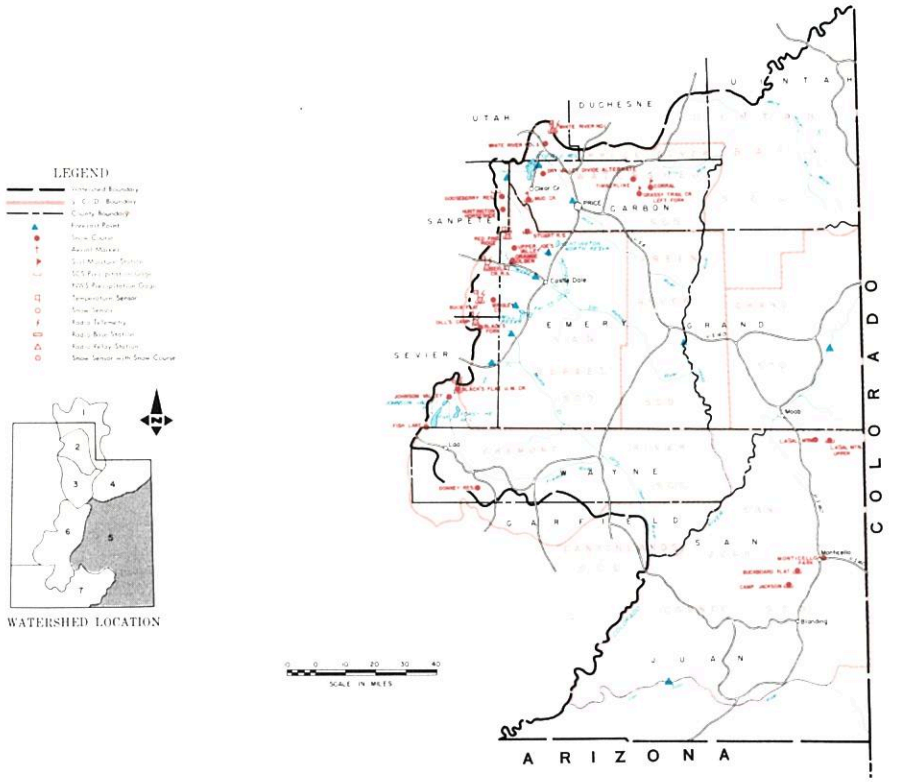
WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER generally received less than the average February increase and now ranges from 80% of average on Blue Mountains to 139% on Price River. Fremont River courses show a gain to 129% of the March 1 average.

PRECIPITATION at mountain stations ranged from 66% of average at Orange Olsen near Joes Valley to 129% at Fish Lake.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 67% of the April-July average for Mill Creek near Moab to 160% on Muddy Creek. Peak flows are forecast about 1 1/2 times average on Muddy and Ferron Creeks.

Water supplies are expected to be adequate for all users except in the Moab-Monticello-Blanding areas which are expected to be short of water in mid to late season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-S

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	12.8	128	Apr-July		10.1
Scofield Reservoir Inflow	50	140	Apr-July		36
Price nr Heiner 1/	94	148	Apr-July		64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	65	191	Apr-July		49[b]
Cottonwood Crk nr Orangeville	69	156	Apr-July	31	44[b]
Ferron Creek nr Ferron	54	159	Apr-July	21	34
MUDDY CREEK					
Muddy Creek nr Emery	27	160	Apr-July	9.1	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3260	120	Apr-July		2716
Green at Green River, UT	3600	121	Apr-July		2974
Mill Creek nr Moab	3.4	67	Apr-July	2.1	5.1[b]
Navajo Reservoir Inflow	700	115	Apr-July		608
San Juan nr Bluff, UT	995	115	Apr-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.3	114	Apr-July	4.8	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	3	595	139
SAN RAFAEL RIVER	6	393	137
FREMONT RIVER	3	544	129
LASAL MOUNTAINS	2	112	91
BLUE MOUNTAINS	2	333	80

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	35.7	50.4	35.8
SAN RAFAEL	Huntington North	3.9	2.7	2.8	3.0[b]
	Joe's Valley	54.6	31.7	37.0	36.9[b]
	Mill Site	16.7	6.6	10.0[e]	--
SAN JUAN	Navajo	1696.0	1202.9	1253.0	--
	Ken's Lake	2.7	1.3	--	--

+ - 1963-77 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron	550-860	422
Muddy Creek near Emery	200-330	154

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	2/25	59	20.1	5.1	13.3
Buckboard Flat	2/25	24	6.7	2.3	8.8
Camp Jackson	2/25	30	8.6	2.3	10.3
Dills Camp	2/25	44	14.7	2.3	9.8[a]
Dry Valley Divide Alternate	2/27	36	12.5	0.5	--
Huntington-Horseshoe	2/26	64	26.0	8.8	19.5[a]
LaSal Mtn. Lower	2/26	20	5.0	5.2	7.1
LaSal Mtn. Upper	2/26	40	12.1	10.0	11.6[b]

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mammoth-Cottonwood R.S.	2/26	60	23.3	7.8	17.4
Monticello City Park	2/25	0	0.0	0.0	--
Mud Creek	2/26	48	16.4	3.6	11.4
Seeley Creek	2/26	43	15.7	3.2	13.4
White River #1	2/27	45	14.9	4.0	11.3
White River #3	2/27	31	10.7	0.1	7.6

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
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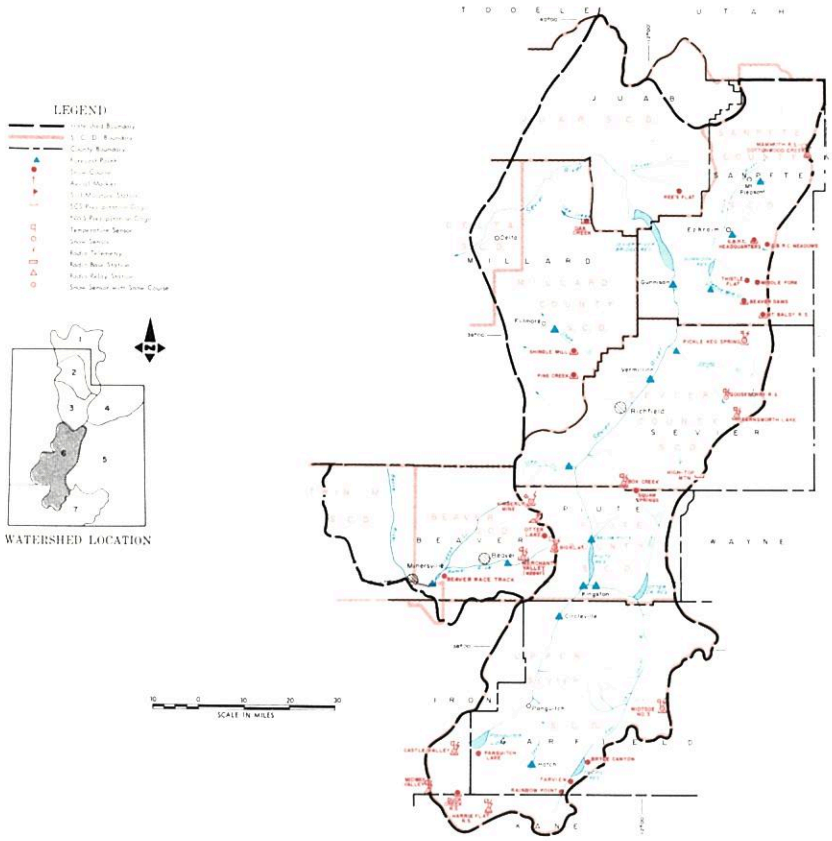

MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER increased at better than a normal amount on Beaver River but less than normal on the Sevier River and now ranges from 89% of the March 1 average on the South Fork Sevier to 137% on Beaver River. The East Fork Sevier is 123% and the Lower Sevier 120% of average.

PRECIPITATION at mountain stations ranged from 67% of the February average at Duck Creek to 103% at G.B.R.C. Meadows.

SOIL MOISTURE is near average at higher elevations.

RESERVOIR STORAGE is above average. Sevier reservoirs are 149% of average and Minersville is 131% of average.

STREAMFLOW FORECASTS generally dropped after a drier than average February and now range from 87% on Chalk Creek to 167% of average for Minersville Inflow for the April-June period. Beaver near Beaver is forecast 163% of average and the peak flow at Beaver is expected to be about 180% of the 15 year average. Water supplies are expected to be near average on the Sevier and above average on the Beaver.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
SEVIER RIVER					
Sevier at Hatch	43	106	Apr-July		41
Sevier nr Circleville	36	119	Apr-July		29
Sevier nr Kingston	25	109	Apr-July		23
Antimony Crk nr Antimony	8.0	123	Apr-July		6.9
East Fork Sevier nr Kingston1/	17.0	112	Apr-July		15.2
Sevier below Piute Dam	38	106	Apr-July		36
Clear Crk nr Sevier (ab. Div)	21	120	Apr-July		17.8
Sigurd to Gunnison	31	118	Apr-July		
Kingston to Vermillion Dam	60	107	Apr-June		56
Vermillion Dam to Gunnison	41	118	Mar-June		35
Salina Creek at Salina	14.0	121	Apr-June		11.1
Sevier nr Gunnison	54	108	Apr-July		50
Chalk Creek nr Fillmore	14.2	87	Apr-July		16.3
Chicken Creek nr Levan	4.6	148	Apr-July	1.4	3.1
Oak Cr. nr Oak City	1.4	97	Apr-July	0.9	1.4
Ephraim Creek nr Ephraim	18.1	125	Apr-July		8.6
Pleasant Crk nr Mt. Pleasant	10.0	119	Apr-July		
Salt Creek nr. Nephi	16.7	137	Apr-July		12.2
Beaver nr Beaver	33	163	Apr-July	19.3	20
North Creek (Combined)	19.6	143	Apr-July		13.7
Minersville Inflow	11.0	167	Apr-June		6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS PERCENT OF Last Year	THIS YEAR AS PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	4	400	123
South Fork Sevier	6	279	89
LOWER SEVIER	12	245	120
BEAVER RIVER	3	275	137

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
SEVIER RIVER	Gunnison	18.2	16.0	18.2	14.0
	Otter Creek	52.5	44.8	52.5	33.1
	Piute	71.8	64.4	70.5	44.9
	Sevier Bridge	236.0	198.5	230.8	131.4
BEAVER RIVER	Minersville (Rky (Fd)	23.3	17.7	24.1	13.5

b - Average of all past record - less than 15 years
+ - 1963-77 15 Year Average Period
e - Estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Beaver River nr Beaver	250 - 515	211

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Big Flat	2/3	56	18.2	7.3	12.8
Bryce Canyon	3/3	14	4.9	0.0	3.9
Castle Valley	2/23	33	11.5	4.6	10.6
Duck Creek	2/24	28	8.0	1.6	10.7
Farnsworth Lake	2/25	57	18.1	8.6	15.1
Gooseberry R.S.	2/25	33	11.5	4.3	10.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Harris Flat	2/24	20	4.8	0.0	6.9
Kimberly Mine	2/23	45	14.1	7.5	12.3
Long Valley Junction	2/24	10	2.8	0.0	4.0
Merchants Valley Upper	2/23	37	9.6	4.1	9.6
Midway Valley	2/24	41	12.2	5.7	16.6
Otter Lake	2/23	54	16.4	4.7	9.9
Pickle Keg Springs	2/25	47	16.8	6.5	13.2
Widtsoe-Escalante #3	2/24	37	10.1	4.8	8.3

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

MARCH 1, 1982

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER did not increase at the normal rate during February and now ranges from 52% of the March 1 average in the Enterprise-New Harmony area to 95% for Parowan Creek drainage. Virgin River is 74% and Coal Creek 79% of average.

PRECIPITATION at mountain stations ranged from 61% of the February 1 average at Tall Poles to 71% at Webster Flat.

SOIL MOISTURE is below average.

RESERVOIR STORAGE in local reservoirs was not reported. Lake Powell is about 2 million acre feet below last year on March 1.

STREAMFLOW FORECASTS range from 70% of the April-June average on the Virgin to 89% on Coal Creek. Santa Clara is now forecast 73% of average and the Inflow to Lake Powell 118% of the April-July average.

Water supplies from direct streamflow diversions are expected to be short in the late season this year.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
VIRGIN RIVER					
Virgin nr Hurricane	35	70	Apr-June		48
Santa Clara nr Pine Valley	3.0	71	Apr-June		4.1
COAL CREEK					
Coal Creek nr Cedar City	14.8	89	Apr-July		16.7
UPPER COLORADO					
Lake Powell Inflow	8,200	118	Apr-July		6952

2 - Provisional Flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	274	107
VIRGIN RIVER	3	302	74
PAROWAN CREEK	4	295	95
ENTERPRISE - NEW HARMONY	2		52

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
COLORADO	Lake Powell	25002.0	1947.0	21635.0	--
	Blue Mesa	829.5	267.0	446.5	

b - Average of all past record - less than 15 years
† - 1963-77 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Coal Creek nr Cedar City		
Virgin nr Virgin		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Birch Crossing	2/25	18	5.6	1.0	6.0[b]
Brian Head	2/25	52	16.2	6.0	16.3[b]
Harris Flat	2/24	20	4.8	0.0	6.9
Kolob-Crystal	2/24	40	11.6	4.3	17.3[a]
Little Grassy	2/24	4	1.1	0.0	3.6
Long Flat	2/24	14	3.7	0.0	5.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Long Valley Junction	2/24	10	2.8	0.0	4.0
SUSC Ranch	2/25	19	6.3	1.0	7.5[b]
Tall Poles	2/25	35	10.5	4.0	11.5[b]
Webster Flat	2/24	36	11.6	4.3	13.9
Yankee Reservoir	2/23	26	6.9	2.3	7.4

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SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average +	FROM APPROX. OCT 1 TO DATE: Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	2/25	18	5.8	3.1		2/25	1.20	0.93[b]	10.70	7.25[b]	148
CCC Camp	2/25	44	11.8	6.2	11.1						
Hayden Fork	2/25	45	15.1	6.8	12.7[a]	2/25	3.88	2.87[a]	23.81	12.86[a]	185
Monte Cristo R.S.	2/24	67	24.8	7.9	22.0	2/24	4.98	4.15	26.59	21.27	125
Salt River Summit	2/25	61	17.8	8.2	14.4	2/25	2.56	2.91	20.62	14.26	145
Stillwater Camp	2/25	37	11.0	3.7		2/25	1.28	1.64[b]	15.59	10.09[b]	
Lily Lake	2/25	51	15.6	8.0		2/25		2.23[b]	17.82	12.11[b]	147
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	2/24	69	22.9	7.1	15.6[a]	2/24	3.60[a]	5.28[b]	23.20[a]	18.21[b]	127
Christensen Ranch	2/23	27	9.5	5.0	7.9						
Cliff Canyon	2/23	29	10.0	3.0							
Cub River R.S.	2/23	23	8.4	4.9	8.4						
Daniels Creek	2/23	23	7.1	3.7							
Dry Basin	2/23	82	30.7	11.6	24.2[b]						
Dry Creek Flat	2/23	25	9.3	0.8	7.4	2/23			31.15		
Emigrant Summit	2/24	78	29.4	8.5	21.7						
Emigration Canyon	2/24	35	11.4	5.0	9.7						
Franklin Basin	2/23	70	26.2	10.2	22.7	2/23	5.50[a]	5.78[a]	34.60[a]	21.23[a]	163
Garden City Summit	2/24	55	18.2	5.9	15.3	2/24	3.84	3.47	19.41[a]	15.80	123
Horseshoe Basin	2/23	72	27.5	10.9	22.0[b]						
Klondike Narrows	2/23	59	21.5	7.5	17.3	2/23	4.36	4.99[b]	24.57	19.93[b]	123
Liberty Spring	2/23	124	46.9	13.7	32.7						
Little Bear (lower)	2/24	25	9.9	4.6	9.2						
Little Bear (upper)	2/24	30	11.5	5.1	10.9	2/24	4.00[a]	3.19[a]	25.60[a]	17.14[b]	149
Lower Elkhorn	2/23	49	18.0	5.5	12.7[b]						
Oxford Mountain	2/23	34	11.6	4.3	9.4[b]						
Slug Creek Divide	2/24	52	17.3	8.0	14.8						
Steep Hollow #1	2/23	108	41.1	14.6	30.8						
Steep Hollow #2	2/23	74	26.7	10.0	22.4						
Strawberry Creek	2/24	30	10.9	4.2	9.6						
Strawberry Mink Divide	2/23	61	21.0	7.5	18.7						
Tony Grove Lake	2/24	107	40.5	11.6	28.4[a]	2/24	5.20[a]	5.76[a]	43.40[a]	31.69[a]	137
Tony Grove R.S.	2/24	41	12.8	4.1	10.9	2/24	2.90	3.10[b]	22.60	14.93[b]	151
Upper Elkhorn	2/23	60	20.3	6.9	16.4[b]						
Willow Flat	2/23	42	14.9	6.2	13.9	2/23	4.89	3.71	27.30	18.85	145
Worm Creek	2/23	50	16.9	8.0							
OGDEN RIVER											
Beaver Creek-Skunk Creek	2/24	35	12.2	3.8	10.8						
Ben Lomond Peak	2/24	93	34.7	13.3	29.1	2/24	8.90[a]	7.67[b]	44.20[a]	34.23[b]	129
Ben Lomond Trail	2/24	50	19.6	6.9	15.7[b]	2/24	6.38	4.47[b]	23.66	24.98[b]	95
Causey Dam						2/24	2.80	2.42[b]	15.11	11.91	127
Dry Bread Pond	2/24	52	18.4	6.3	16.0	2/24	3.20[a]	3.47[b]	20.80[a]	16.96[b]	123
Sagebrush Flat	2/24	18	6.5	0.1	5.0			2.58		12.07	
WEBER RIVER											
Beaver Creek R.S.	2/25	27	9.9	3.8	7.5						
Chalk Creek #1	2/25	72	24.9	11.4	18.0	2/25	3.50[a]	4.60[a]	29.70[a]	18.38[a]	162
Chalk Creek #2	2/25	48	15.0	8.3	12.2	2/25	1.80[a]	2.24[b]	18.10[a]	13.17[b]	137
Chalk Creek #3	2/25	23	7.8	4.4	6.7	2/25	1.42	1.82[b]	16.15	11.26[b]	143
Farmington Canyon (lower)	2/24	56	20.4	10.6	18.4[b]	2/24	4.98	4.04[b]	28.93	22.40	129
Farmington Canyon (upper)	2/24	79	27.9	11.8	25.3[b]	2/24	6.50[a]	6.17[a]	36.30[a]	22.44[a]	162
Farmington G.S.	2/24	54	18.9[a]	8.0		2/24	5.38	4.21[b]		19.40[b]	
Hardscrabble	2/24	42	16.1								
Horse Ridge	2/24	61	22.2	7.0	18.2[b]	2/24	4.60	3.79[b]	27.20[a]	19.40[b]	140
Kilfoil Creek	2/24	46	14.1	4.3	11.6[b]						
Lost Creek Reservoir	2/24	19	7.1	0.0	4.9[b]	2/24	1.52	1.72[b]	14.07	9.16[b]	154
Park City Summit	3/3	101	38.8	17.0							
Parley's Canyon Summit	2/25	54	17.8	7.6	16.1	2/25	3.32	3.68	24.92	18.48	135
Pine Canyon	2/26	44	16.9								
Redden Mine (lower)	2/25	50	16.9	7.9	15.0	2/25	2.49		23.23		
Smith & Morehouse	2/25	35	13.0	6.3	11.4	2/25	2.11	2.81	16.31	14.71	111
Sargeant Lake (A)											

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+ 1958-1972 period

SNOW						PRECIPITATION (Inches)					
	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Water Content (Inches) Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN CONT.											
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	2/25	38	13.3	5.3	10.9[a]	2/25	2.44[a]		23.72[a]		
Camp Altamont	2/27	41	17.1	9.8	13.4						
Clear Creek Ridge #1	2/27	53	19.1	7.0	15.6						
Clear Creek Ridge #2	2/27	47	16.1	6.5	11.8	2/27	2.59	2.48[b]	16.16	13.35[b]	121
Clear Creek Ridge #3	2/27	28	10.1	2.8	6.9						
Dutchman R.S.	2/27	53	22.0	10.6	14.4	2/27	3.95				
Hobble Creek Summit	2/27	46	16.8	5.2	12.3	2/27		4.39[b]		17.75[b]	
Payson R.S.	2/22	52	19.2	6.6	16.5[b]	2/22	2.19[a]		20.19[a]	14.49	139
Soapstone R.S.	2/25	41	13.9	6.0	11.1	2/25	2.43	3.01	20.02	15.05	133
South Fork R.S.	2/27	21	9.4	3.6	6.1						
Timpanogos Cave Camp	2/27	6	2.4	0.1	2.4						
Timpanogos Divide	2/27	60	23.0	12.8	21.5	2/27	3.95	4.30	26.15	21.73	120
Trial Lake	2/25	77	28.1	12.1	20.0	2/25	2.81	3.87	30.40[a]	20.07	139
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin											
Lamb's Canyon #2	2/25	48	17.8	8.1		2/25	1.96		24.92[a]		
Middle Canyon	3/1	26	9.3	7.5	12.1	3/1	2.45	2.79	21.40	13.02	164
Mill Creek	2/25	57	19.3	8.4							
Mill D South Fork	2/26	55	21.5	8.8	17.1						
Mt. Dell Dam								1.77		11.14	
Rock Basin-Settlement	3/1	56	20.3	12.9		3/1	2.78		26.44[a]		
Silver Lake (Brighton)	2/26	70	26.2	11.1	19.6						
Snow Bird (Gad Valley)	2/26	105	35.0	11.2							
Vernon Creek	2/28	28	8.6	6.1	9.3[a]	2/28	1.70		17.27	12.76[b]	135
Desert Peak	3/1	64	24.6			3/1	9.25		32.04		
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)				11.9							
Black's Fork G.S.-East Fork	2/25	36	11.0	3.9	7.4	2/25	1.60		13.95	9.51	147
Black's Fork Junction	2/25	33	9.7	3.6	7.4	2/25	1.20		13.62	9.37	145
Buck Pasture (A)				10.6							
Burnt Creek	2/25	15	3.2	3.3	4.2[b]	2/25	1.20	1.23[b]	9.40	7.32[b]	128
Grizzly Ridge	2/25	22	6.0	4.0	8.0[b]	2/25	0.80	1.80[b]	12.40	10.55	118
Hewinta G.S.	2/25	36	10.3	4.4	7.3	2/25	0.87		13.73	10.06	136
Hickerson Park	2/26	24	6.2	4.4	5.0[b]	2/26	0.84		7.95	7.65[b]	104
King's Cabin (upper)	2/26	32	8.6	5.4	8.1	2/26	0.83		11.60	9.24	
Reynolds Park (A)				13.5							
Spirit Lake	2/26	42	11.6	8.6	9.7	2/26	1.43		14.73	11.04	133
Steel Creek Park	2/25	59	17.5	8.5	12.8[b]	2/25	2.50[a]		18.00[a]		
Trout Creek	2/26	33	8.3	5.6		2/26	0.75		8.92		
Henrys Fork (A)				8.9							
DUCHESNE RIVER											
Atwood Lake (A)				7.8							
Brown Duck Ridge	2/25	65	20.7	9.8	14.1[a]	2/25	1.88[a]		22.10[a]		
Chepeta	2/26	45	11.8	8.1		2/26	0.38[a]		14.65[a]		
Currant Creek	2/27	30	10.1	1.2	7.8[a]	2/27	1.70		18.31		
Daniels-Strawberry Summit	2/27	41	14.8	5.3	12.3	2/27	1.92	3.10	22.65	15.13	150
East Portal	2/27	40	15.0	6.0	9.6	2/27	1.82	3.08	22.25	14.22	156
Five Points Lake (A)				11.5							
Indian Canyon	2/26	44	13.1	4.9	10.1	2/26	1.93	2.18	15.97	10.87	
Jackson Park	2/25	44	11.3	6.8	12.2[a]	2/25	0.63		24.33		
Lakefork Basin (A)				10.8							
Lakefork Mountain #1	2/25	36	9.6	5.4	9.0	2/25	0.77	1.86	14.08	10.54	134
Lakefork Mountain #3	2/25	19	4.6	2.6	5.3						
Lightning Lake (A)				14.4							
Mosby Mountain	2/26	29	7.5	3.6	7.7	2/26	1.00[a]	1.66[b]	12.40[a]	10.53	
Paradise Park	2/26	44	13.1	7.6	10.2	2/26	0.96	1.91[b]	15.55	11.27	138
Rock Creek Ranch	2/25	22	7.4	2.2	5.2[a]	2/25	0.60		13.03		
Strawberry Divide	2/27	56	20.9	8.8	16.5	2/27	2.90[a]		32.20[a]		

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† 1958-1972 period

SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average +	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average +	FROM APPROX. OCT 1 TO DATE: Percent of Average
PRICE RIVER											
Dry Valley Divide Alternate	2/27	36	12.5	0.5							
Mud Creek	2/26	48	16.4	3.6	11.4	2/26	1.71	2.49	17.90[a]	11.69	153
White River #1	2/27	45	14.9	4.0	11.3	2/27	1.73		17.39	11.08	160
White River #3	2/27	31	10.7	0.1	7.6						
SAN RAFAEL RIVER											
Buck Flat	2/25	9	20.1	5.1	13.3	2/25	2.60	3.21	21.95	14.50	151
Huntington-Horseshoe	2/26	64	26.0	8.8	19.5[a]						
Orange Olsen	2/26	22	6.6	0.0		2/26	0.77	1.17	10.38	6.39	162
Red Pine Ridge	2/26	56	19.6	4.3	14.3	2/26	3.34	3.48	24.76	16.25	152
Seeley Creek R.S.	2/26	43	15.7	3.2	13.4	2/26	1.31[a]		16.60[a]		
Stuart R.S.	2/26	33	11.2	0.0		2/26	1.36		13.18		
Upper Joe's Valley	2/26	40	12.7	1.8	8.8						
Wrigley Creek	2/25	40	12.8	4.0	8.9						
MUDDY RIVER											
Black's Fork	2/25	46	16.1	3.6	10.8[a]						
Dill's Camp	2/25	44	14.7	2.3	9.8[a]	2/25	2.58		20.87		
FREMONT RIVER											
Black's Flat-U.M. Creek	2/25	37	11.4	2.5	8.9	2/25	2.50[a]		13.60[a]	9.64[b]	141
Fish Lake	2/25	28	8.4	1.6	6.6	2/25	1.48	1.15	10.50[a]	7.50	140
Johnson Valley	2/25	27	7.4	0.9	5.6						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	2/25	24	6.7	2.3	8.8	2/25	1.60		13.55	15.18	89
Camp Jackson	2/25	30	8.6	2.3	10.3	2/25	1.85		12.05	14.27	84
LaSal Mountain (lower)	2/26	20	5.0	5.2	7.1						
LaSal Mountain (upper)	2/26	40	12.1	10.0	11.6[b]	2/26	1.70		16.03	11.04	
Monticello City Park	2/25	0	0.0	0.0							
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	2/25	42	13.0	4.1	10.7	2/25	2.13		15.45	11.10	139
Bryce Canyon	3/3	14	4.9	0.0	3.9						
Castle Valley	2/23	33	11.5	4.6	10.6	2/23	1.63		12.31	11.12	111
Duck Creek R.S	2/24	28	8.0	1.6	10.7	2/24	1.57	2.35[b]	15.75	13.25	119
Farview				1.3							
Harris Flat	2/24	20	4.8	0.0	6.9	2/24	1.10[a]		11.50[a]		
Kimberly Mine	2/23	45	14.1	7.5	12.3	2/23	2.86	3.18[b]	19.31	14.38	134
Midway Valley	2/24	41	12.2	5.7	16.6	2/24	2.60[a]		16.4[a]		
Panguitch Lake	2/23	15	3.6	0.0	3.8	2/23	1.24		8.99	6.51[b]	138
Rainbow Point				1.6							
Squaw Springs	2/25	27	7.6	0.0	6.1						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	2/26	31	11.0	4.0	9.6[b]	2/26	2.12		16.82	10.66	158
Farnsworth Lake	2/25	57	18.1	8.6	15.1	2/25	3.65	3.59	19.66	15.23	129
G.B.R.C. Headquarters	2/26	40	14.1	6.6	13.0	2/26	2.47	2.69	19.88	14.21	140
G.B.R.C. Majors								1.30		6.95	
G.B.R.C. Meadows	2/26	68	24.3	9.4	18.6	2/26	3.68	3.59	24.73	17.57	141
G.B.R.C. Oaks								1.88		9.70	
Gooseberry R.S.	2/25	33	11.5	4.3	10.1	2/25	2.48	2.38[b]	14.98	9.87[b]	152
Mammoth-Cottonwood Creek	2/26	60	23.3	7.8	17.4	2/26	2.25[a]		28.40[a]		
Mt. Baldy R.S.	2/26	72	25.8	8.7	18.6[b]					13.76	
Oak Creek	2/22	28	8.5	4.7	10.0[a]	2/22	1.13		17.14		
Pickle Keg Springs	2/25	47	16.8	6.5	13.2[a]	2/25	3.90[a]		20.40[a]		
Pine Creek	2/23	40	13.6	5.7	13.1	2/23	3.20		22.58	18.53	122
Ree's Flat	2/22	43	14.8	6.5	10.3[b]	2/22	2.43		18.27		
Shingle Mill	2/25	24	6.1	3.9	7.6	2/25	1.96	2.33[b]	16.22	12.58	129
Gooseberry Reservoir						2/26	2.33	2.38[b]	23.66	15.36	154

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+ 1958-1972 period

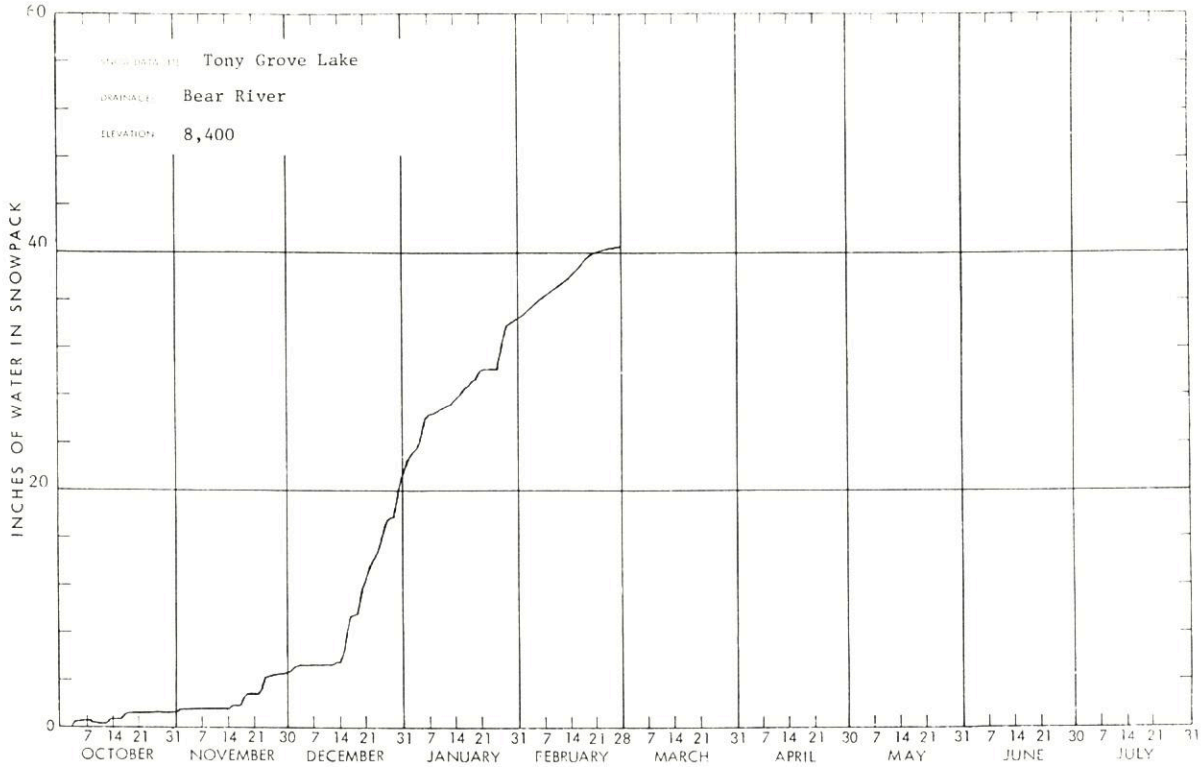
SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches) CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track	2/26	0	0.0	0.0							
Big Flat	2/23	56	18.2	7.3	12.8	2/23	2.10	2.60	19.00[a]	12.53	130
Merchant's Valley (upper)	2/23	37	9.6	4.1	9.6[b]	2/23	1.82	2.11[b]	13.56	11.29	120
Otter Lake	2/23	54	16.4	4.7	9.9						
PAROWAN CREEK											
Birch Crossing	2/25	18	5.6	1.0	6.0[b]						
Brian Head	2/23	52	16.2	6.0	16.3[b]				12.50		
Tall Poles	2/25	35	10.5	4.0	11.5[b]	2/25	1.45	2.39[b]	1.50	11.87[b]	105
Yankee Reservoir	2/23	26	6.9	2.3	7.4	2/23	2.34		13.65	9.40[b]	145
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	2/24	4	1.1	0.0	3.6	2/24	0.80		7.32	12.33[b]	59
Long Flat	2/24	14	3.7	0.0	5.6	2/24	1.89		7.59[a]	9.23	82
COAL CREEK											
Cedar City Golf Course	2/25	0	0.0	0.5							
SUSC Ranch	2/25	19	6.3	1.0	7.56						
ESCALANTE RIVER											
Widtsoe-Escalante #3	2/24	37	10.1	4.8	8.3	2/24	1.46	2.08	12.21	9.67	126
VIRGIN RIVER											
Kolob-Crystal	2/24	40	11.6	4.3	17.3[a]	2/24	2.60[a]		15.10[a]		
Long Valley Junction	2/24	10	2.8	0.0	4.0						
Webster Flat	2/24	36	11.6	4.3	13.9	2/24	2.50[a]	3.53	16.38[a]	15.15	108

a - Partly Estimated
b - Average of past record in average period - less than 15 years
\+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

+ 1958-1972 period

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027 0


Tony Grove Lake
Bear River
8,400
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0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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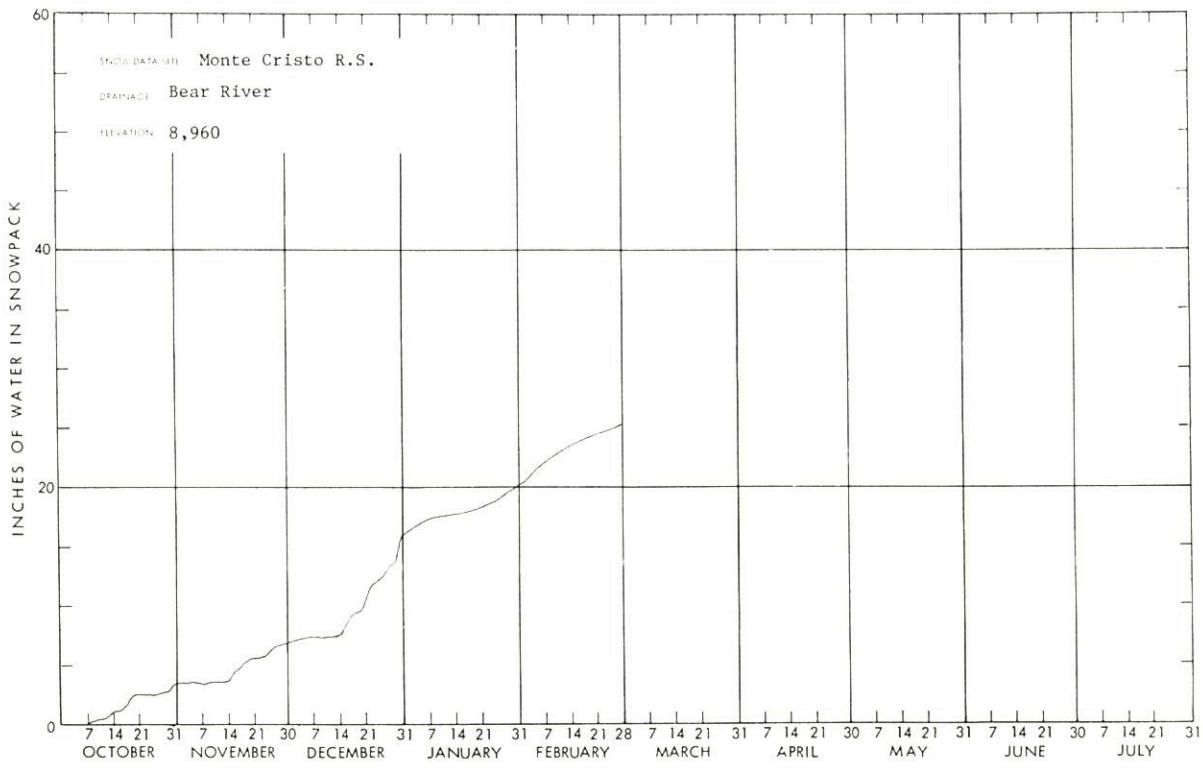
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


Monte Cristo R.S.
Bear River
8,960
INCHES OF WATER IN SNOWPACK
0
20
40
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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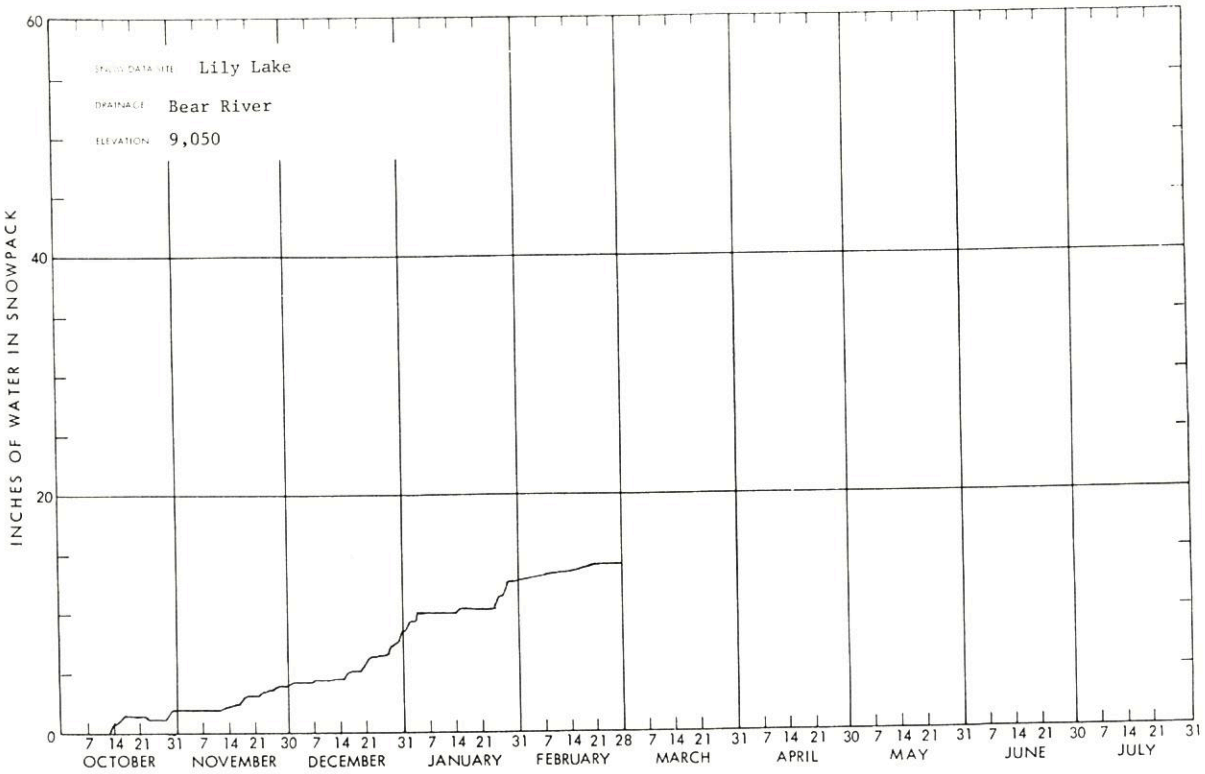
SNOW DATA SITE Lily Lake
DRAINAGE Bear River
ELEVATION 9,050
INCHES OF WATER IN SNOWPACK
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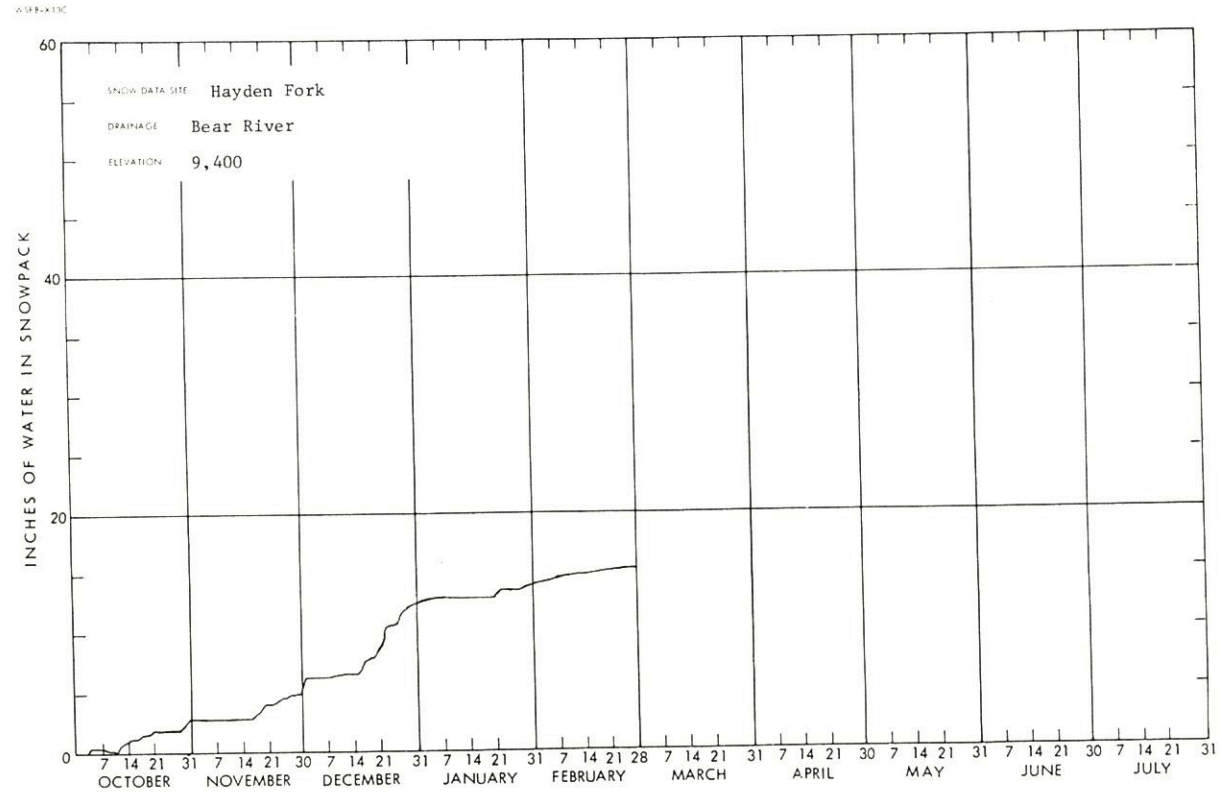
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE Hayden Fork
DRAINAGE Bear River
ELEVATION 9,400
INCHES OF WATER IN SNOWPACK
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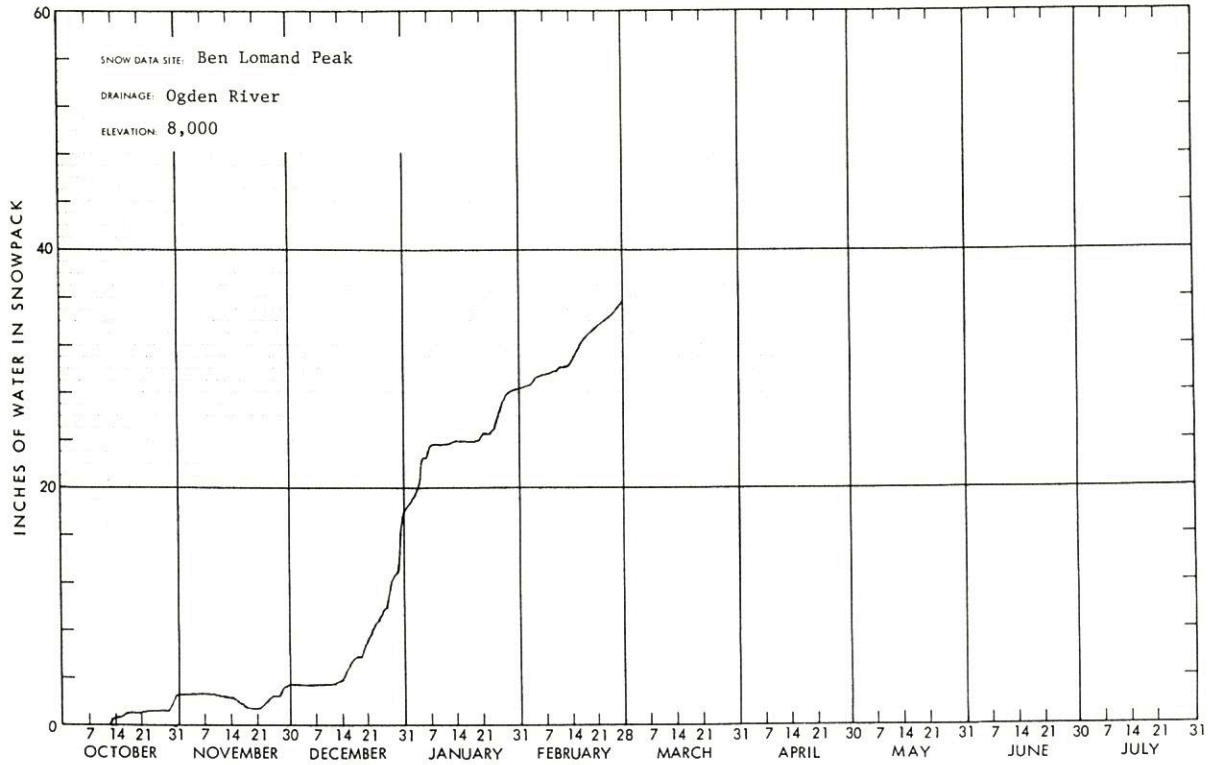
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSFB-X13C



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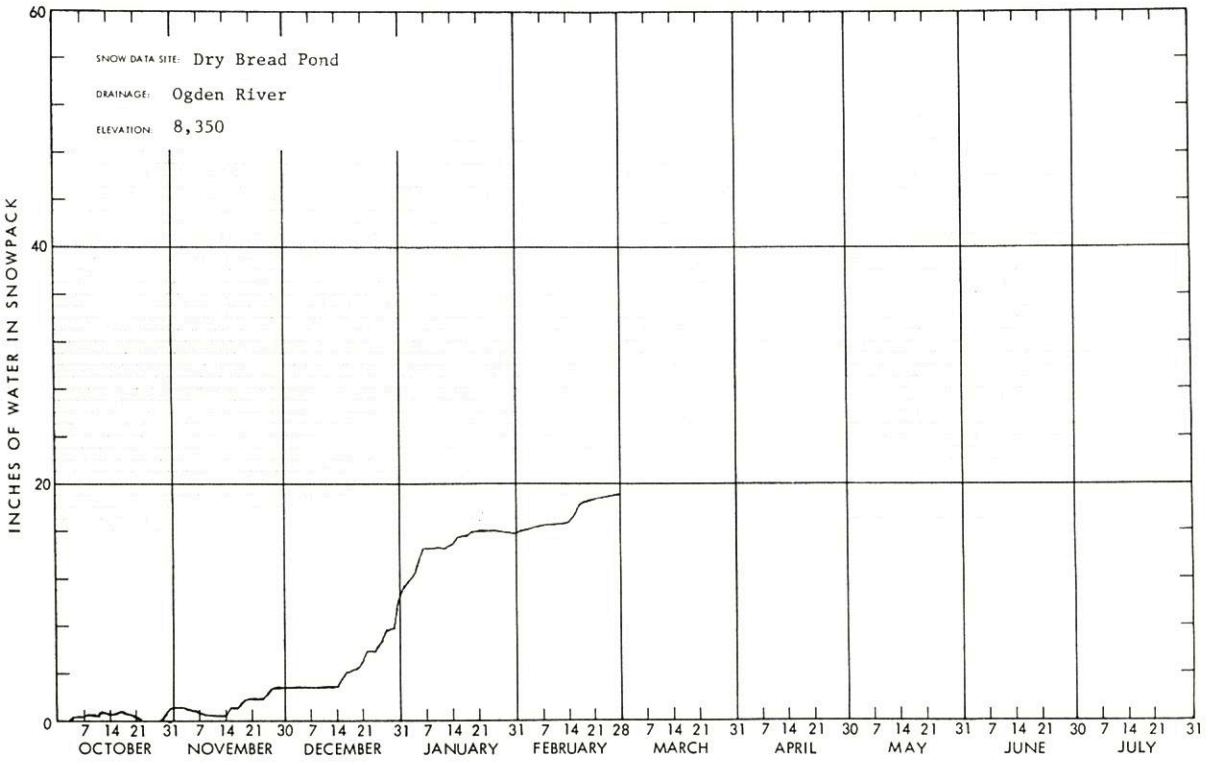

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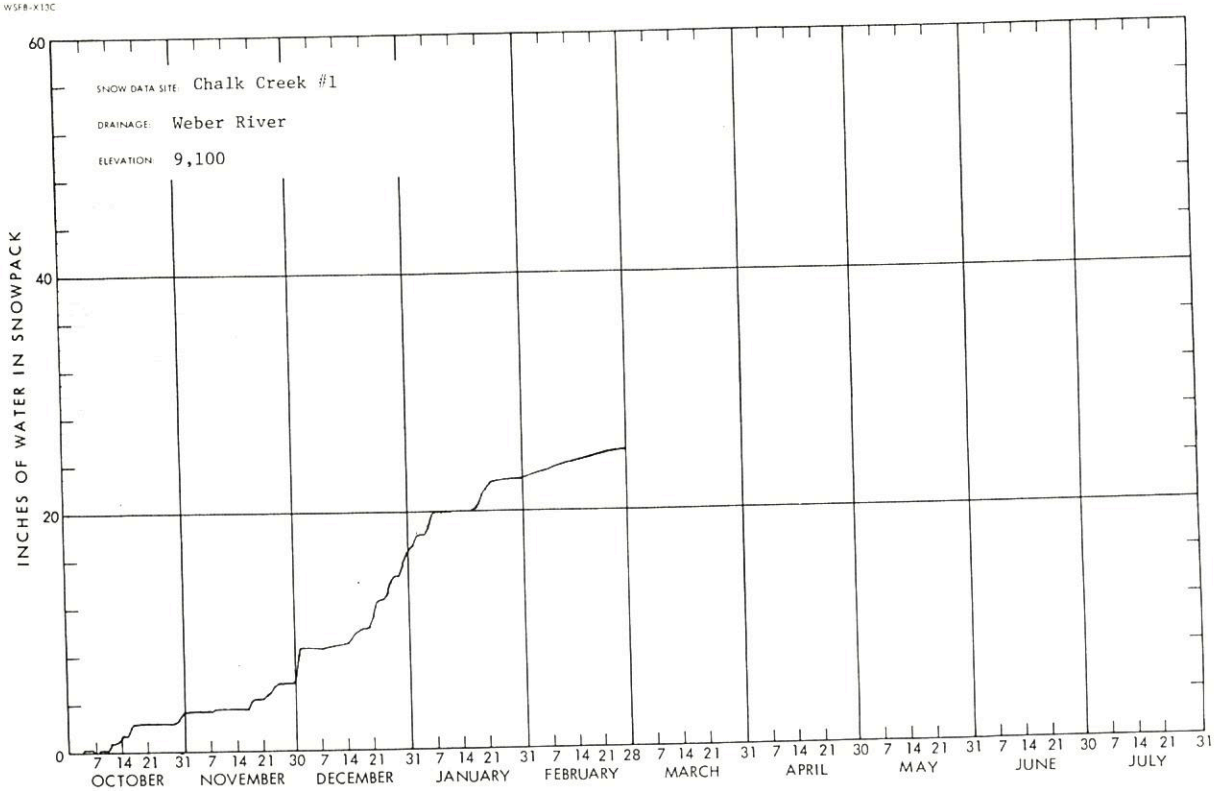

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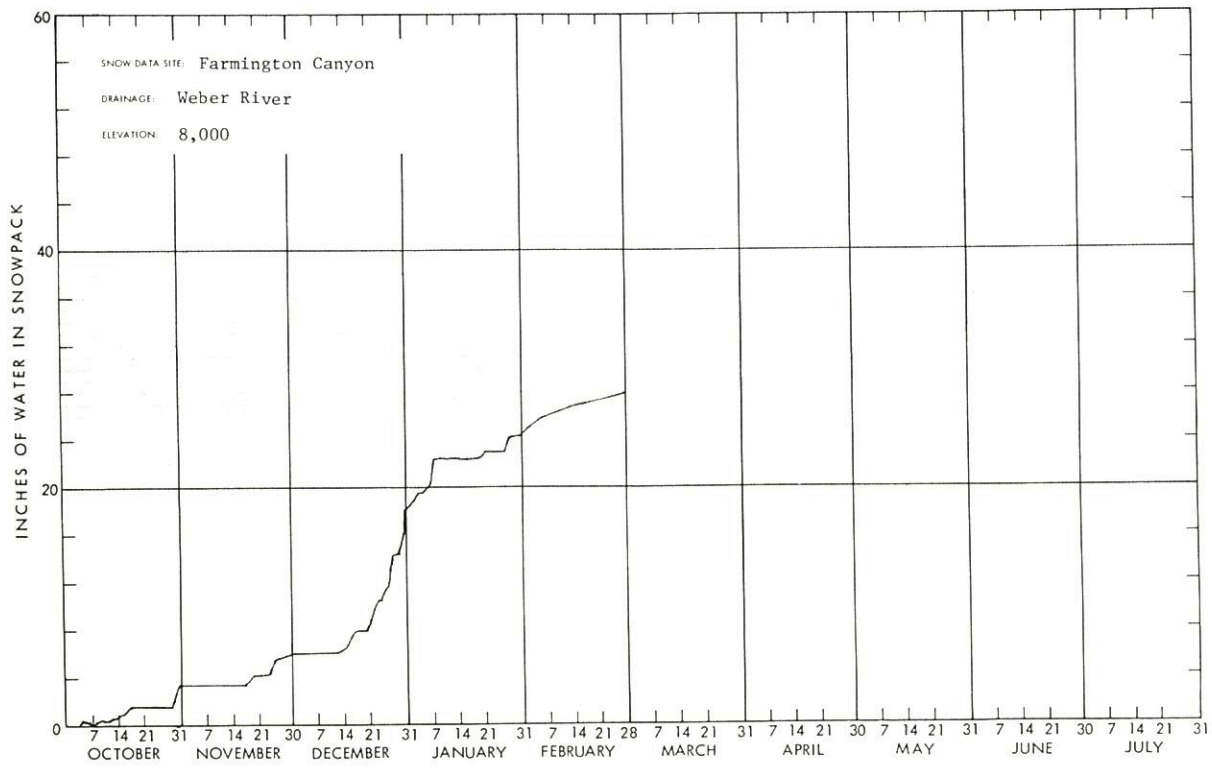

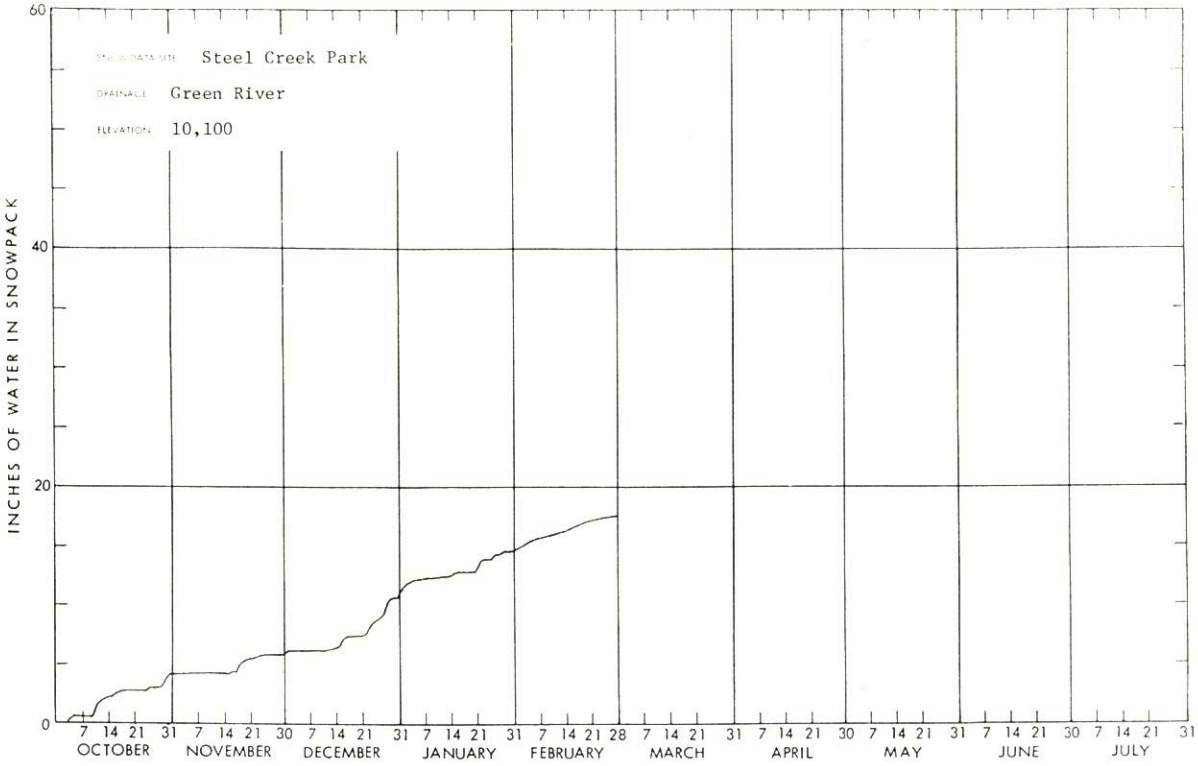
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DRAINAGE: Green River
ELEVATION: 10,100
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
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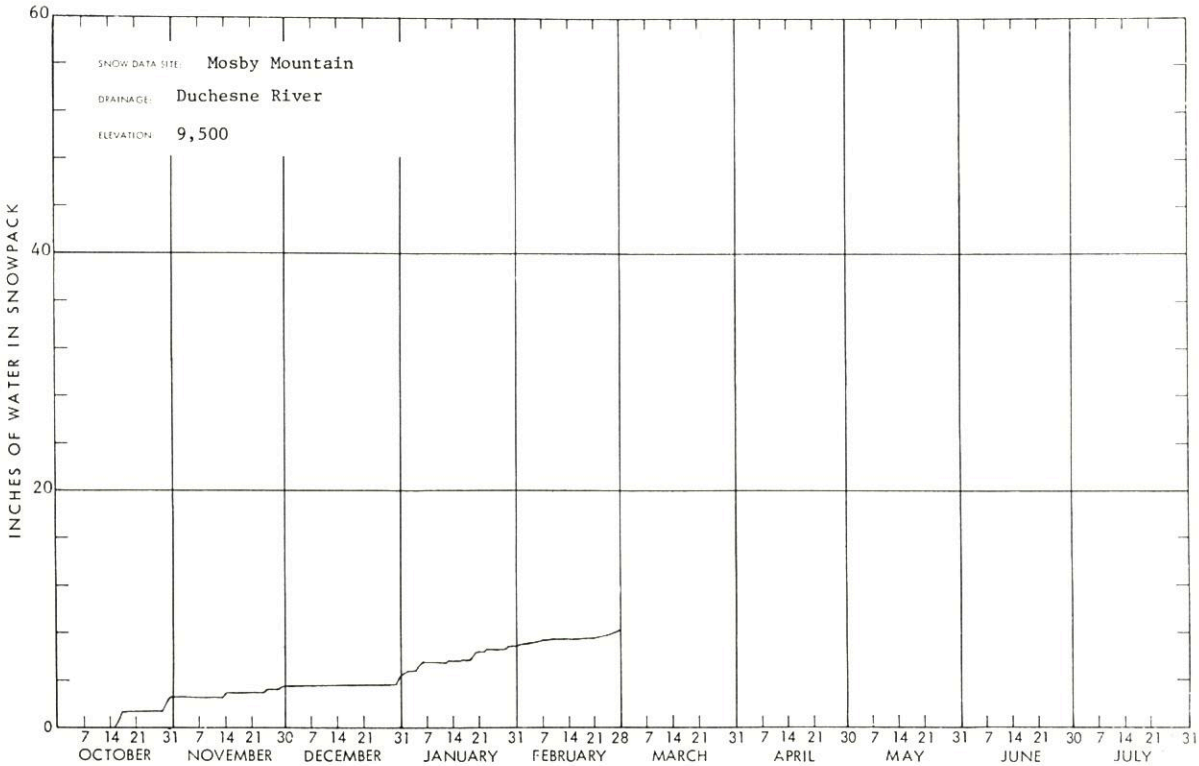
JUNE
JULY


SNOW DATA SITE: Mosby Mountain
DRAINAGE: Duchesne River
ELEVATION: 9,500
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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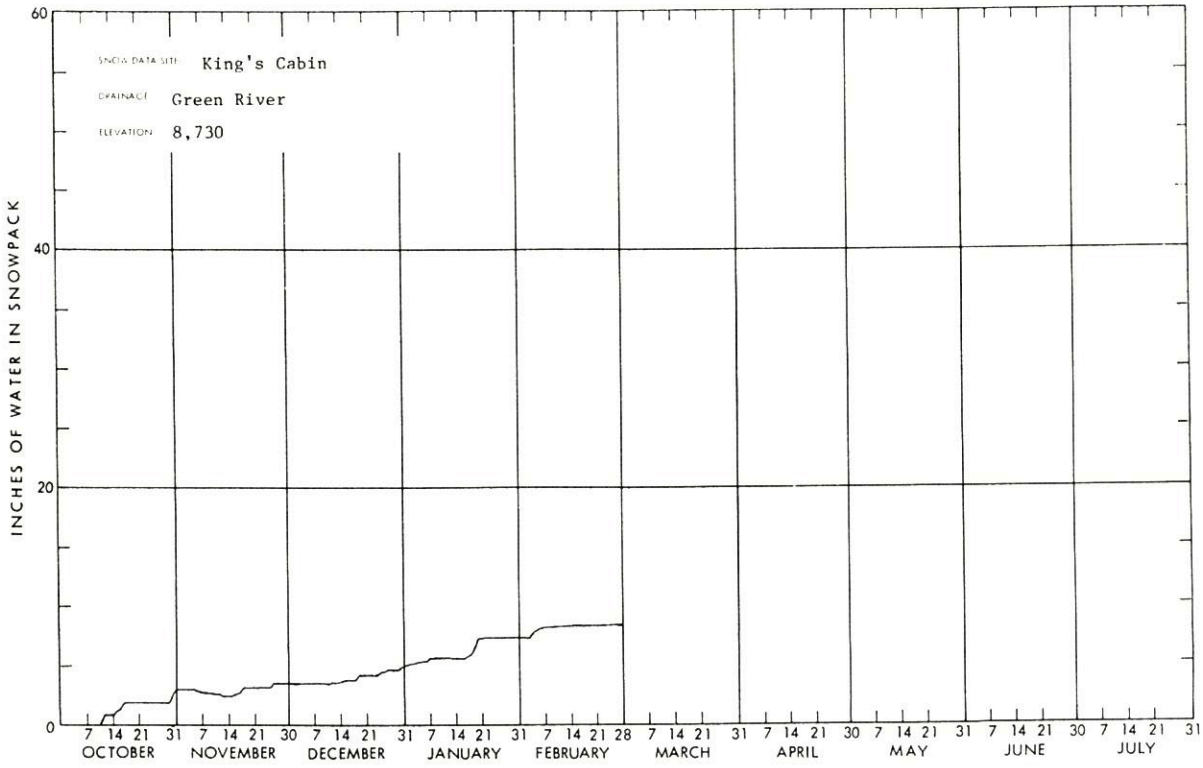
JULY


SNOW DATA SITE: King's Cabin
DRAINAGE: Green River
ELEVATION: 8,730
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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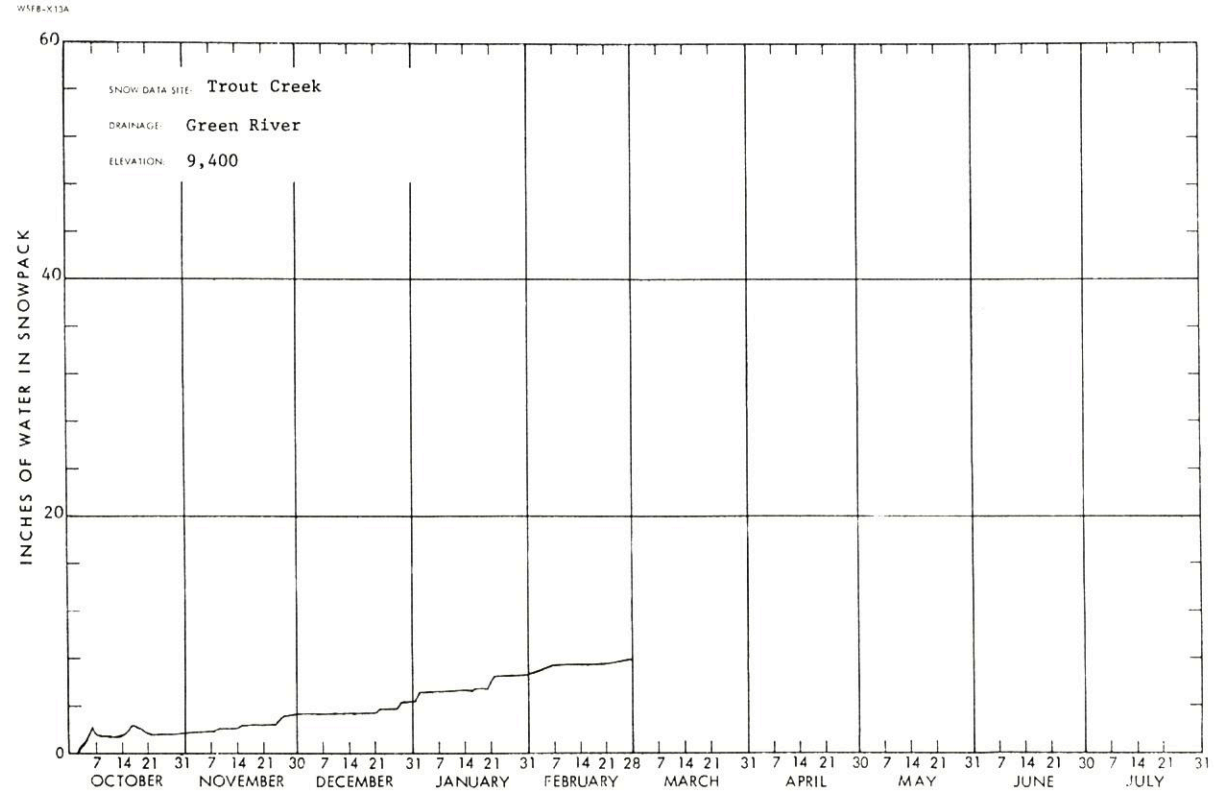
SNOW DATA SITE: Trout Creek
DRAINAGE: Green River
ELEVATION: 9,400
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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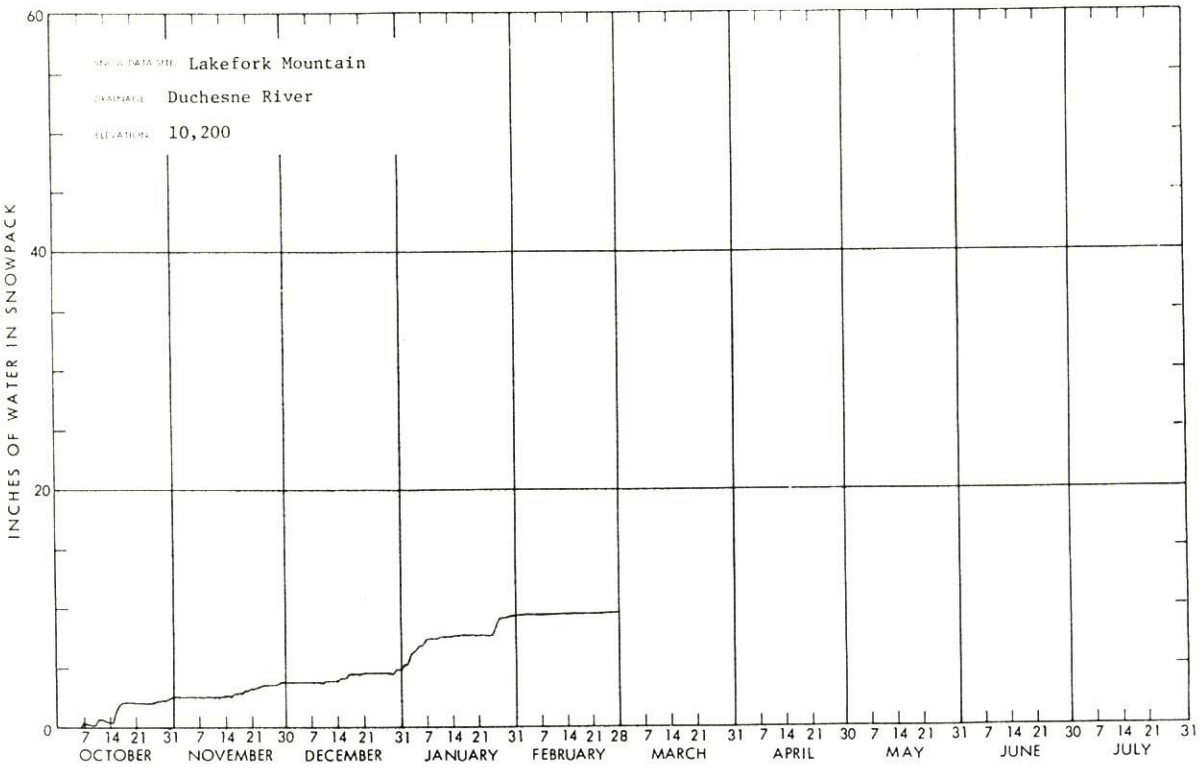
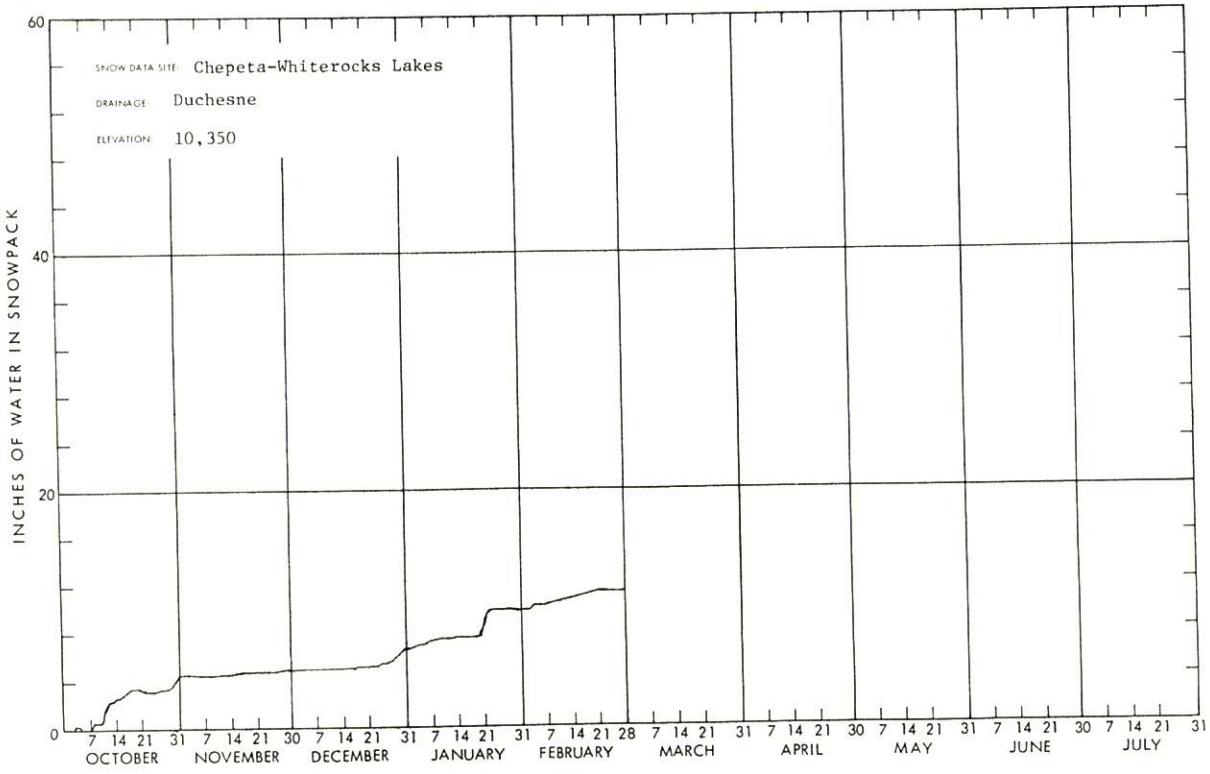
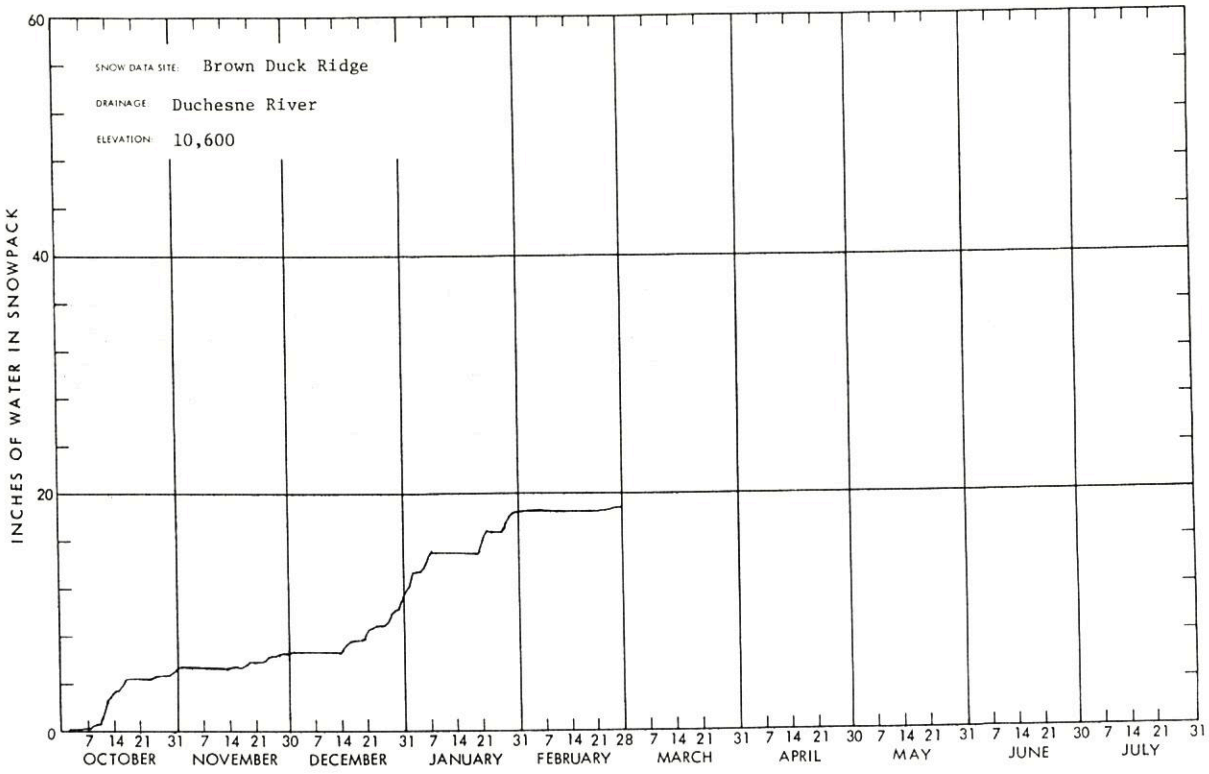

SNOW DATA SITE: Lakefork Mountain
DRAINAGE: Duchesne River
ELEVATION: 10,200
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Chepeta-Whiterocks Lakes
DRAINAGE: Duchesne
ELEVATION: 10,350
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Brown Duck Ridge
DRAINAGE: Duchesne River
ELEVATION: 10,600
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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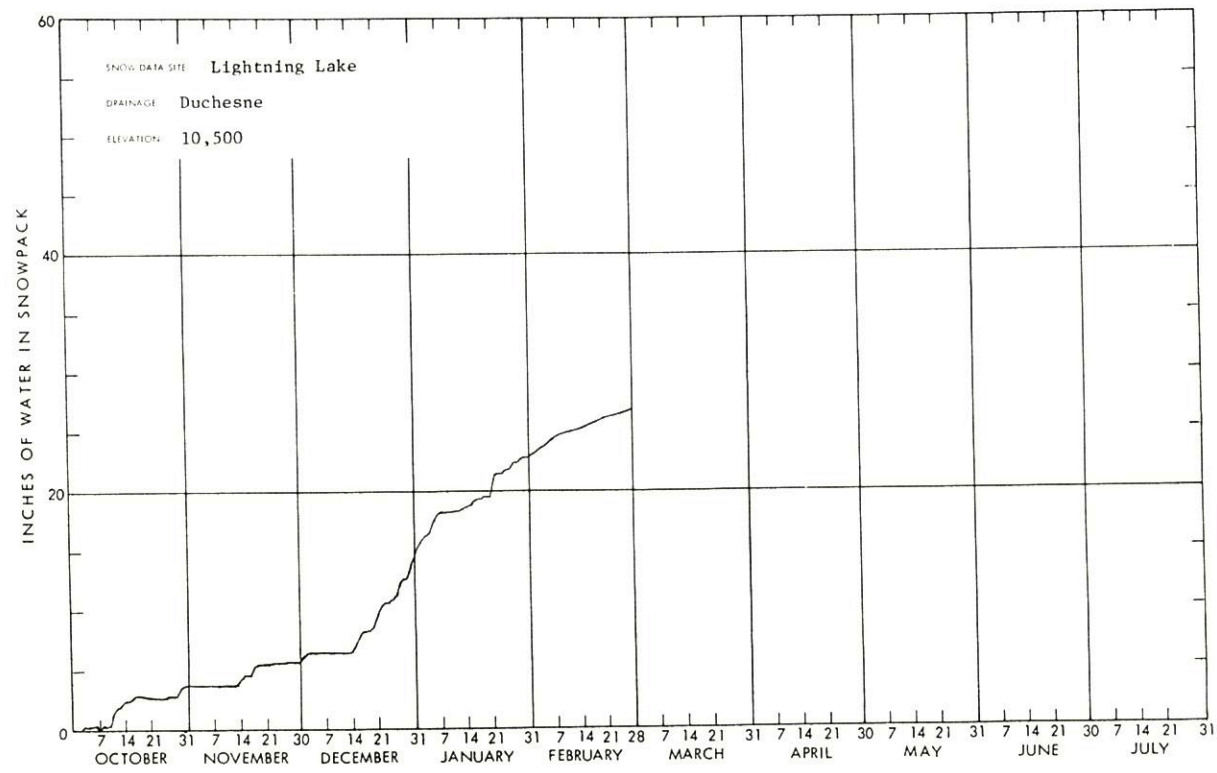
SNOW DATA SITE: Lightning Lake
DRAINAGE: Duchesne
ELEVATION: 10,500
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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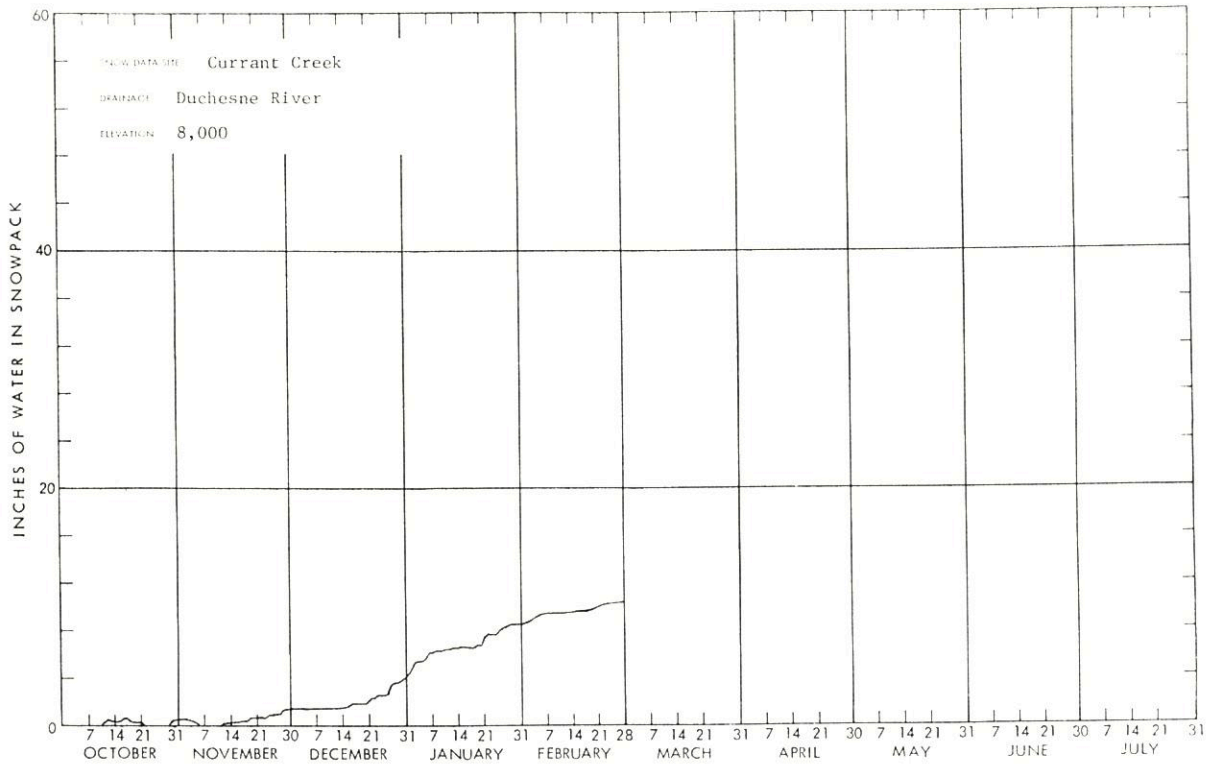
Currant Creek
Duchesne River
8,000
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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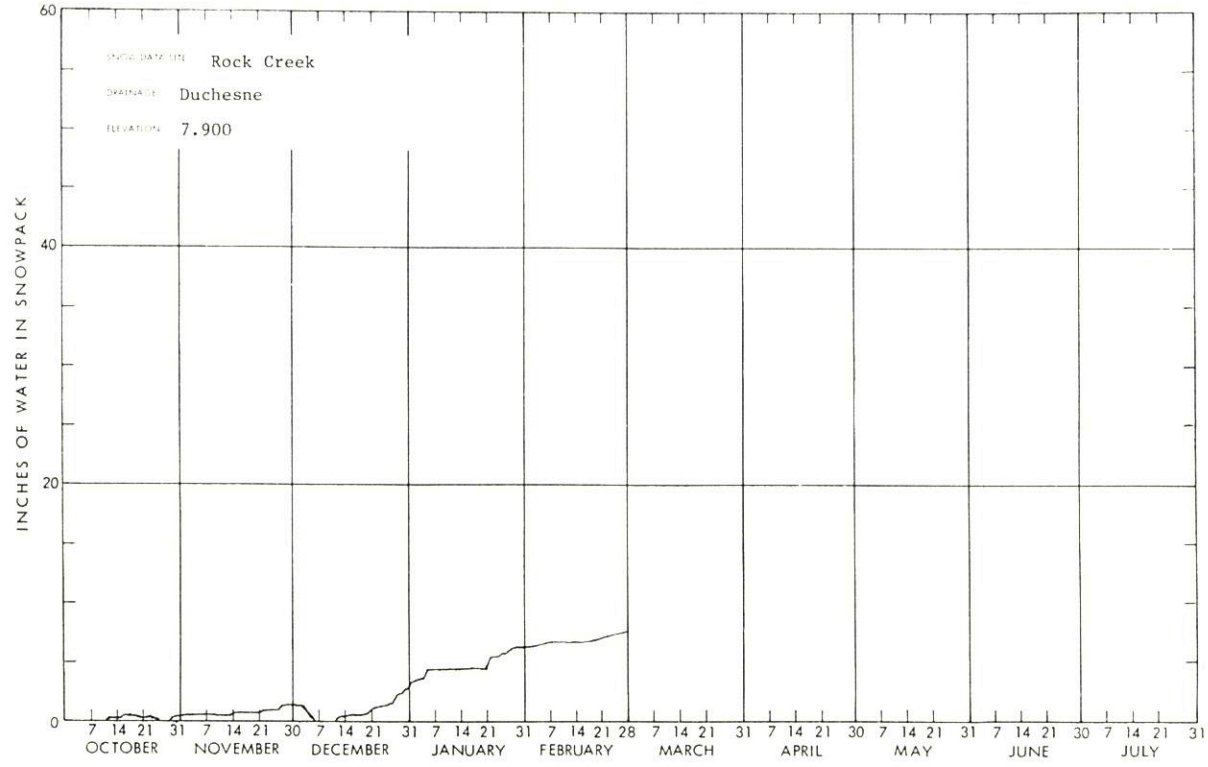
Rock Creek
Duchesne
7,900
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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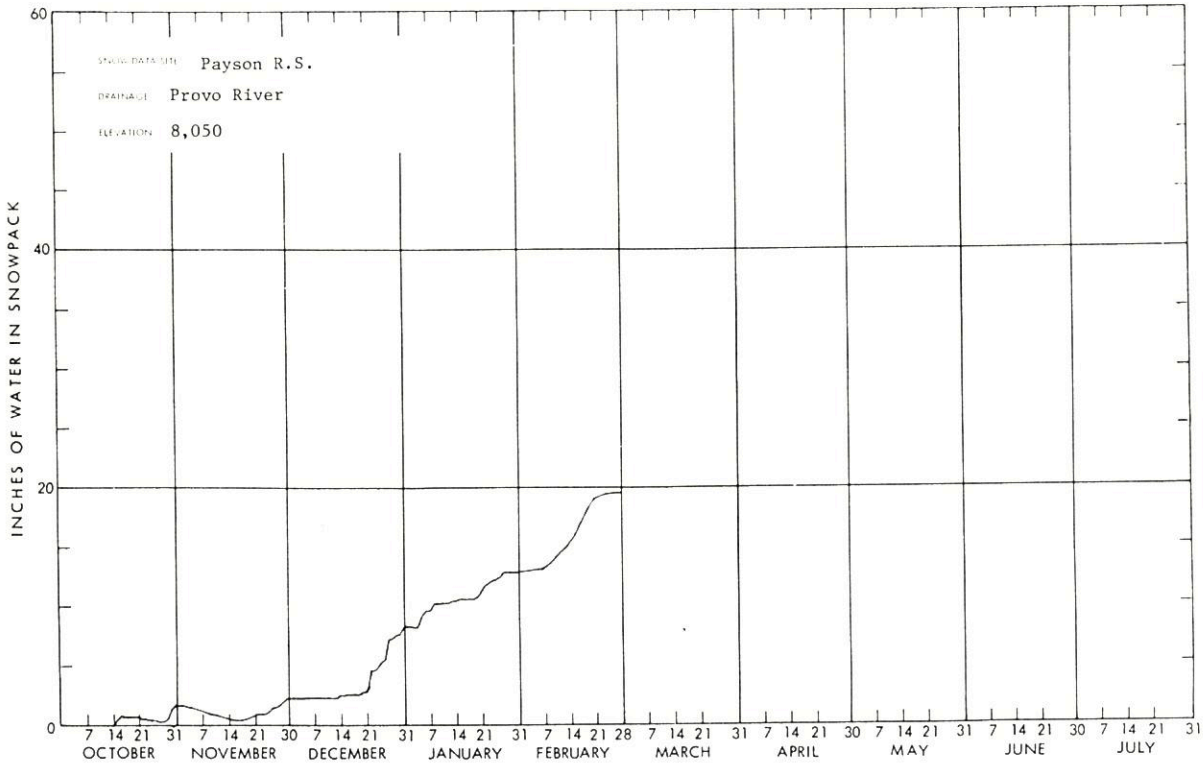
SNOW DATA SITE Payson R.S.
DRAINAGE Provo River
ELEVATION 8,050
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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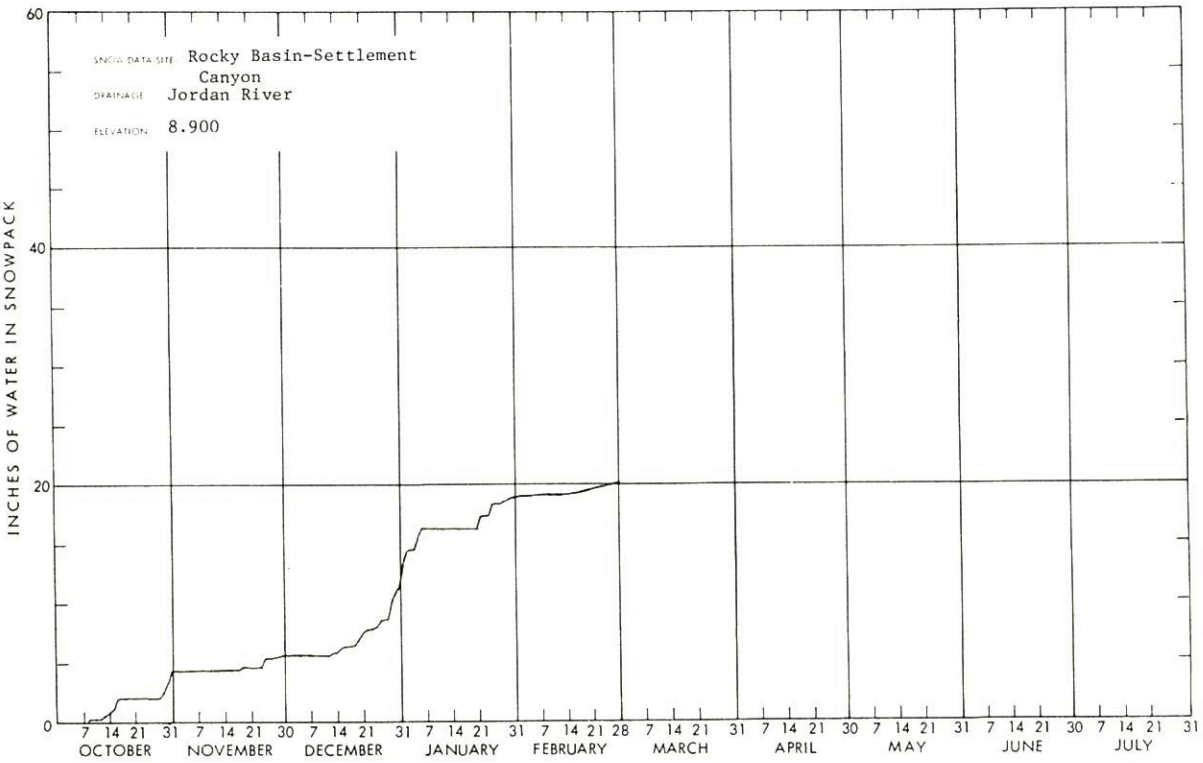
SNOW DATA SITE Rocky Basin-Settlement Canyon
DRAINAGE Jordan River
ELEVATION 8.900
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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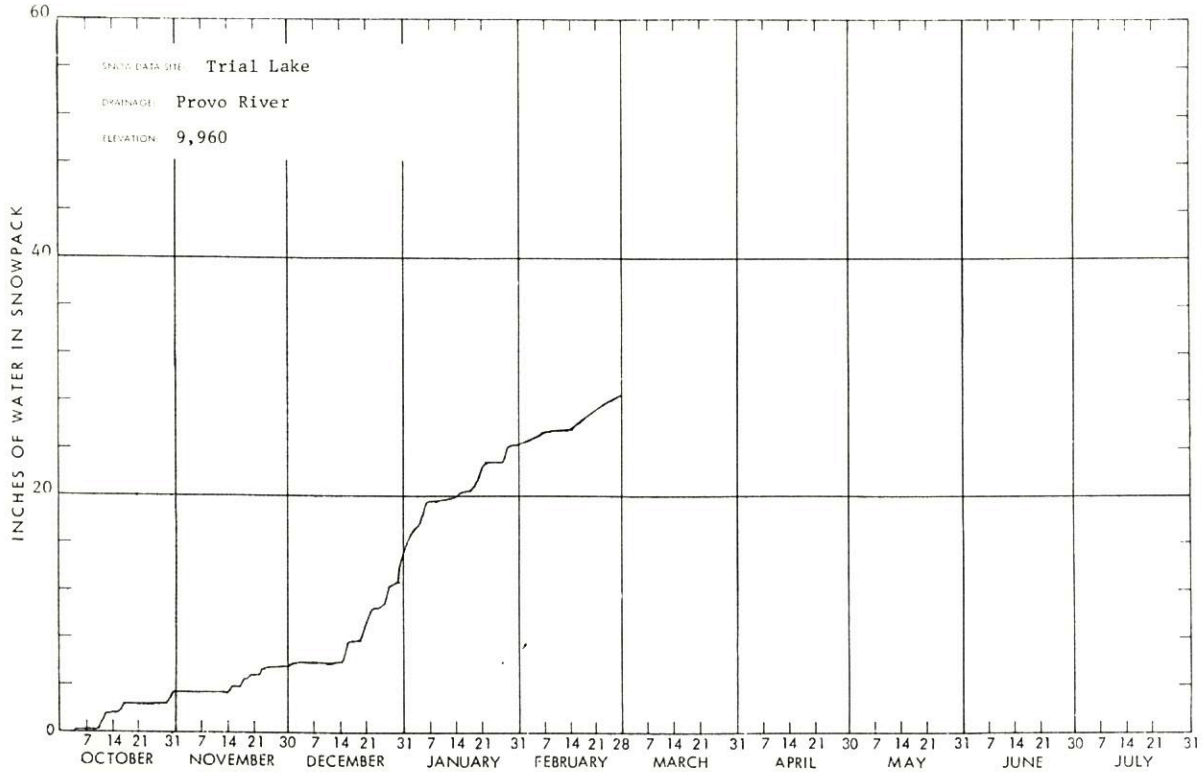
SNOW DATA SITE: Trial Lake
DRAINAGE: Provo River
ELEVATION: 9,960
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

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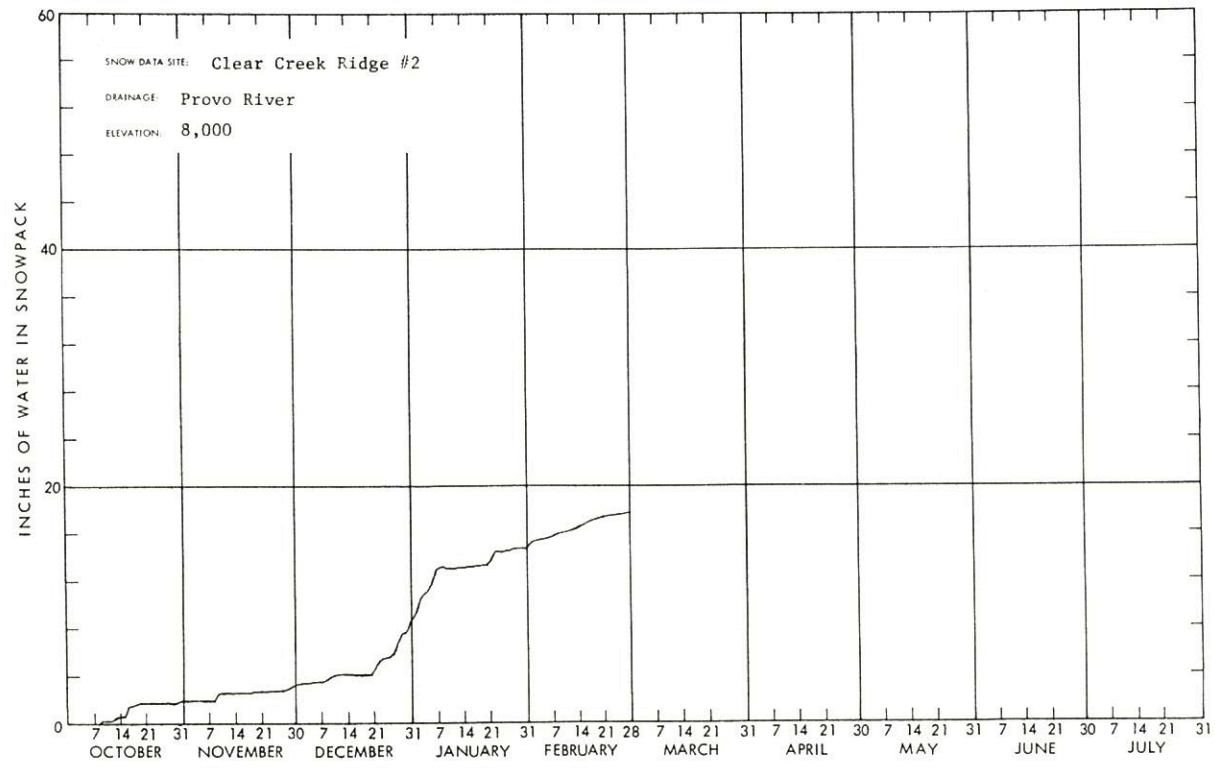
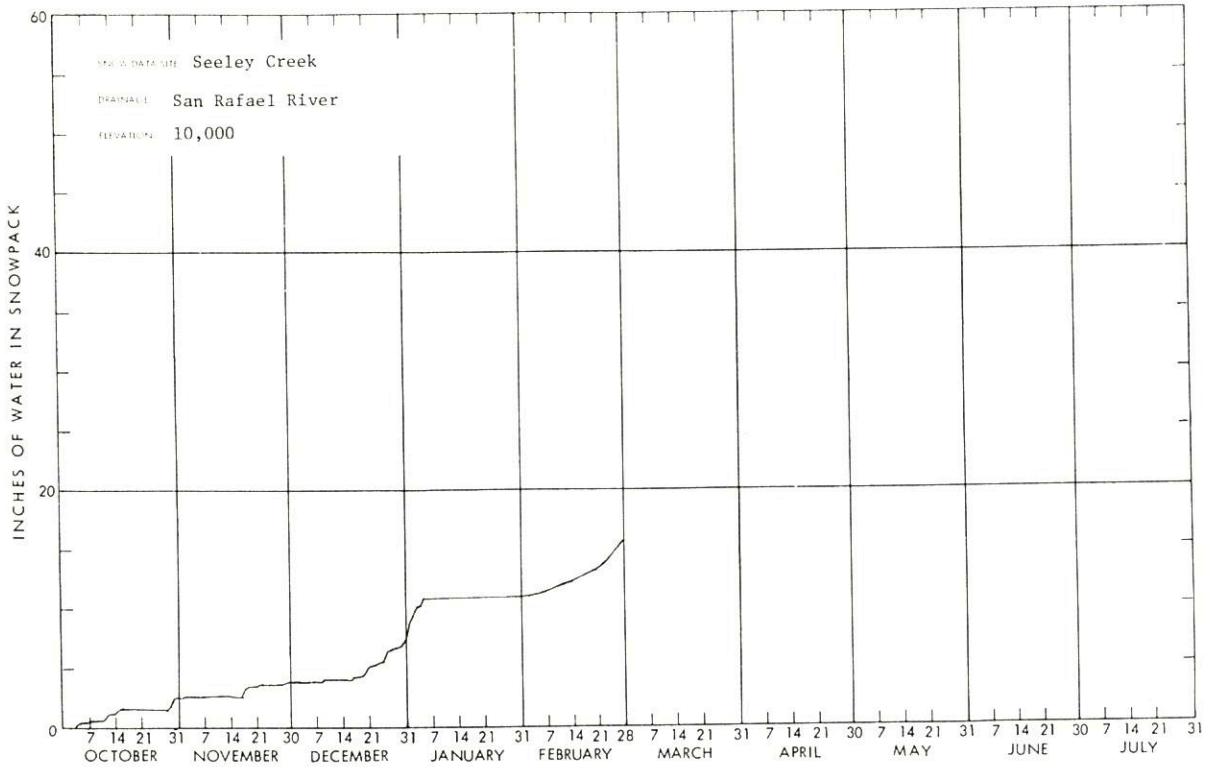

SNOW DATA SITE: Clear Creek Ridge #2
DRAINAGE: Provo River
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Seeley Creek
DRAINAGE: San Rafael River
ELEVATION: 10,000
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
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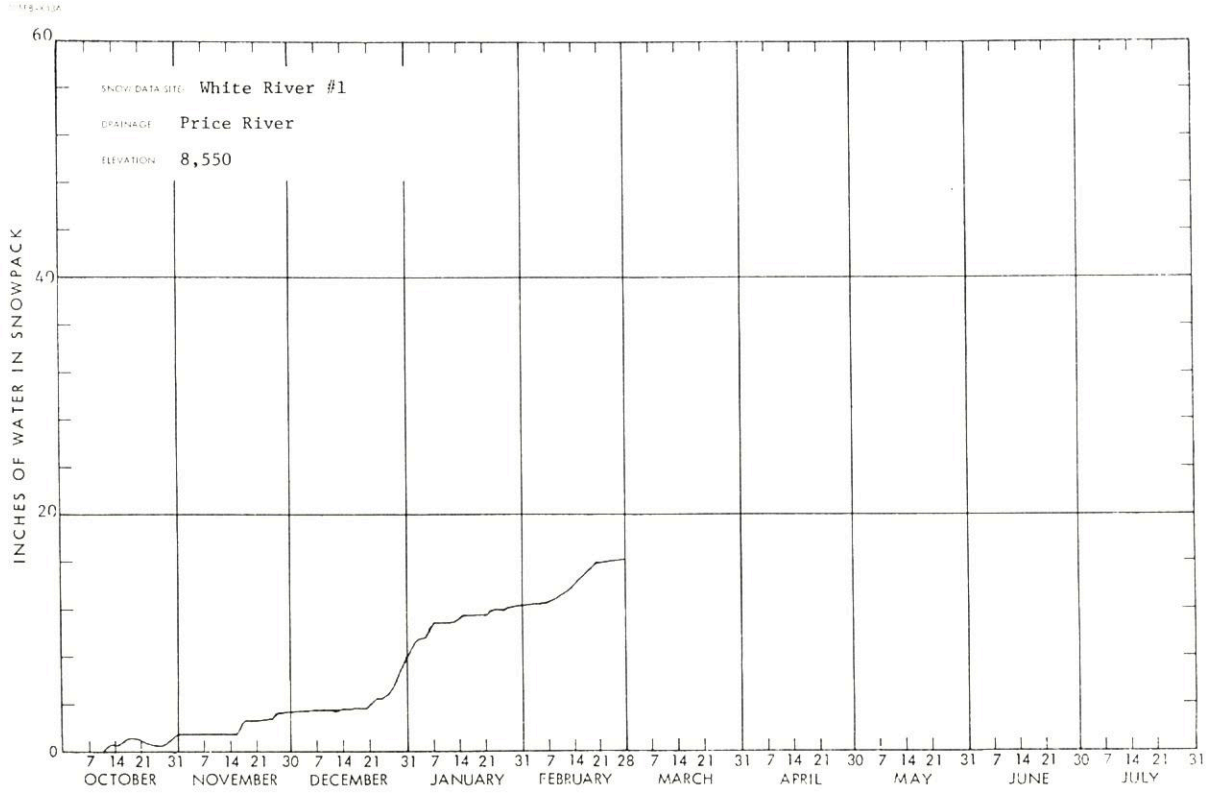
JUNE
JULY


SNOW DATA SITE: White River #1
DRAINAGE: Price River
ELEVATION: 8,550
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
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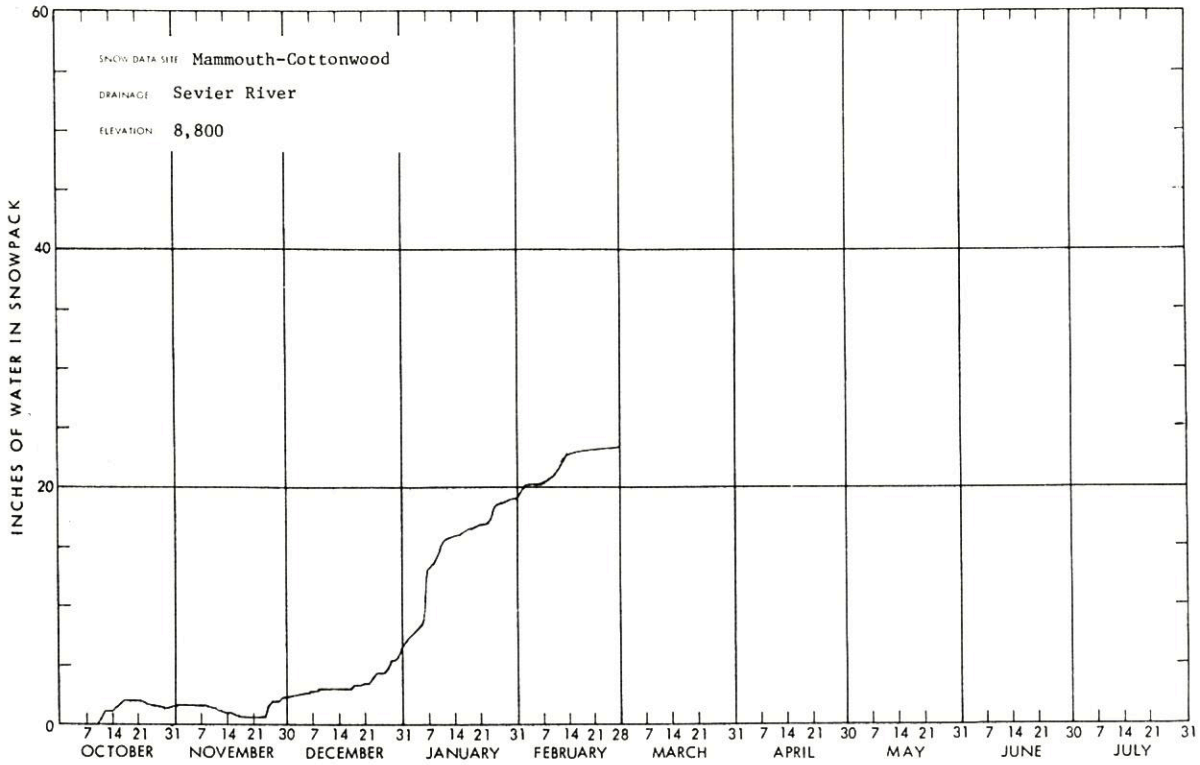
MARCH
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: Mammouth-Cottonwood
DRAINAGE: Sevier River
ELEVATION: 8,800
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
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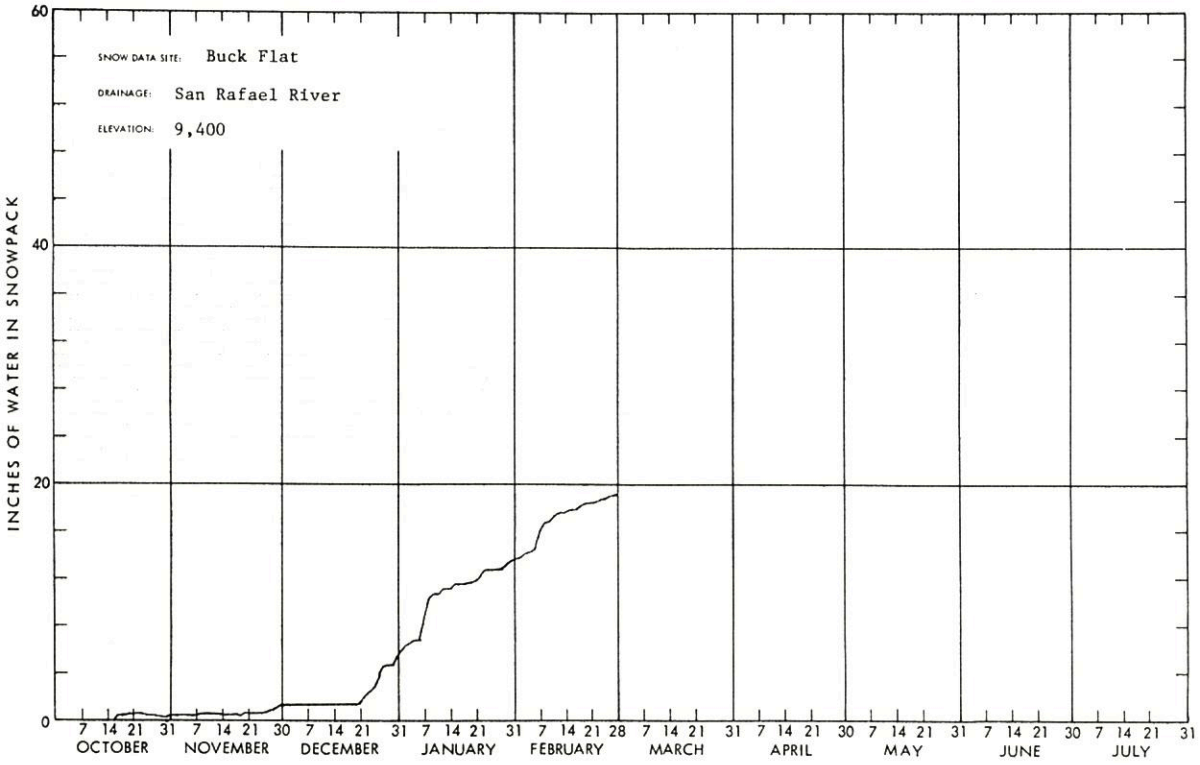
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: Buck Flat
DRAINAGE: San Rafael River
ELEVATION: 9,400
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
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MAY
JUNE
JULY

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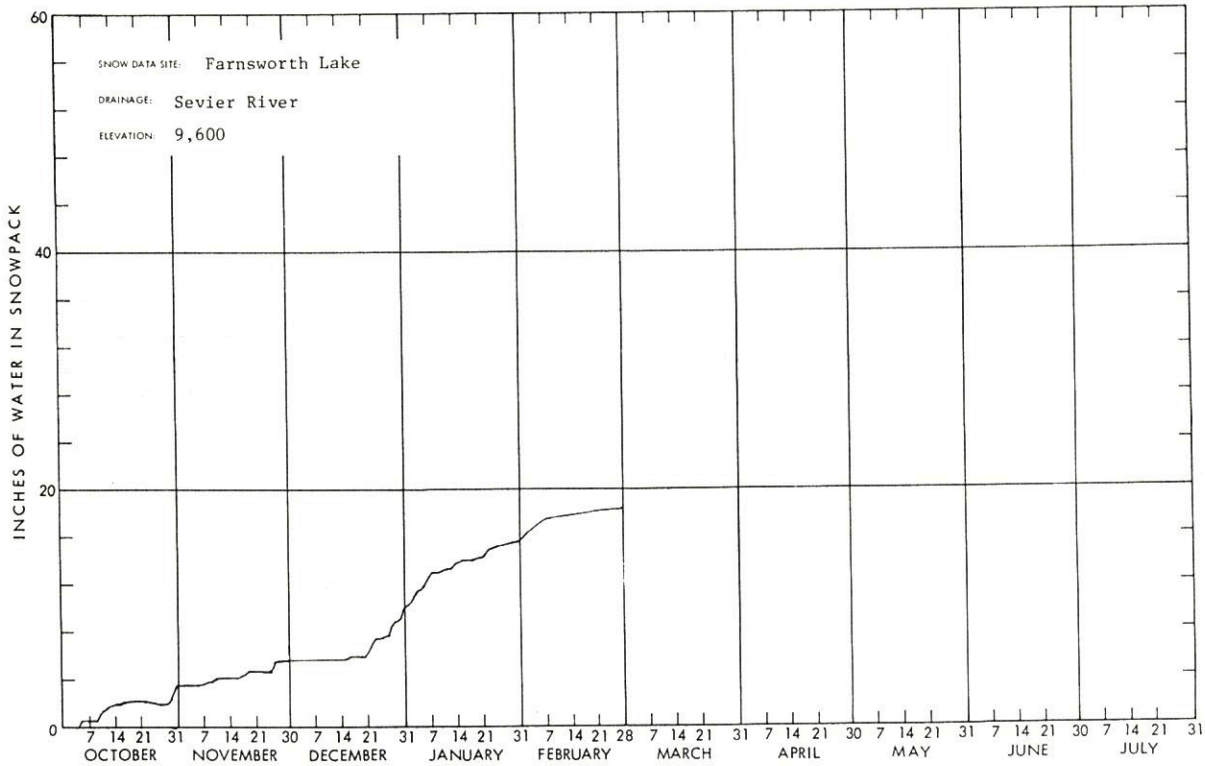

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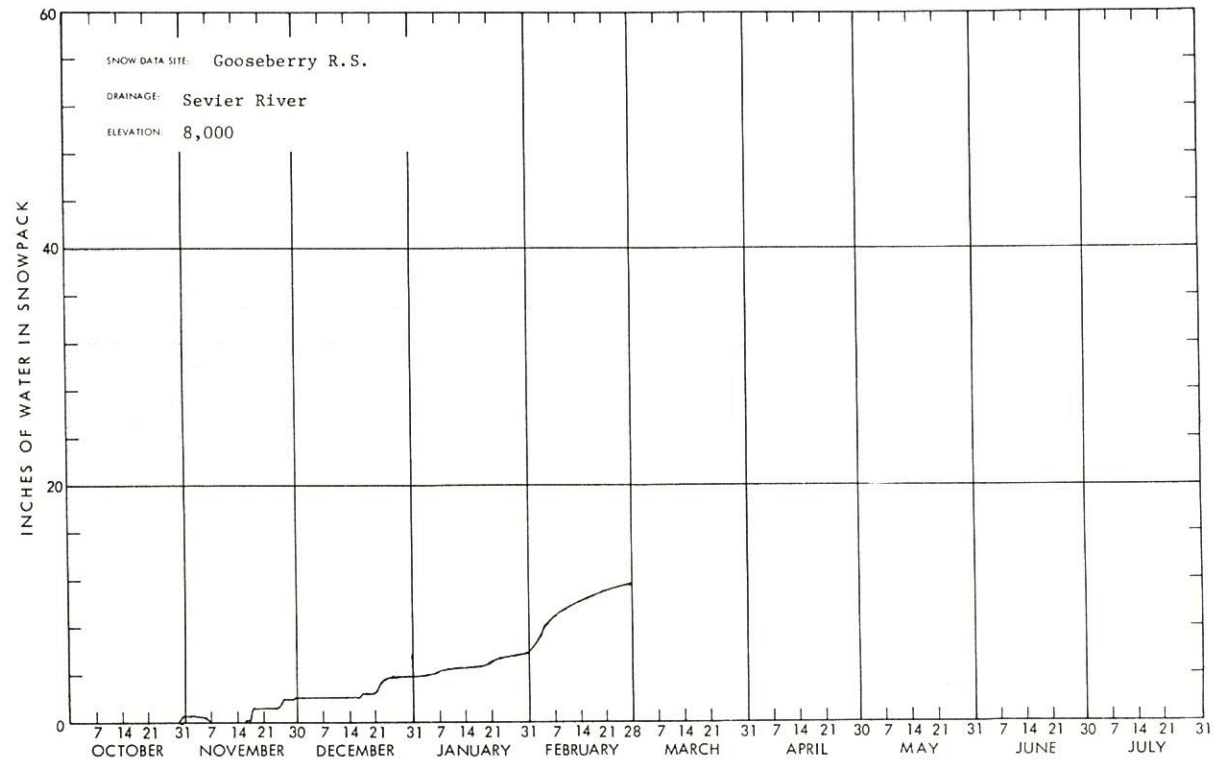

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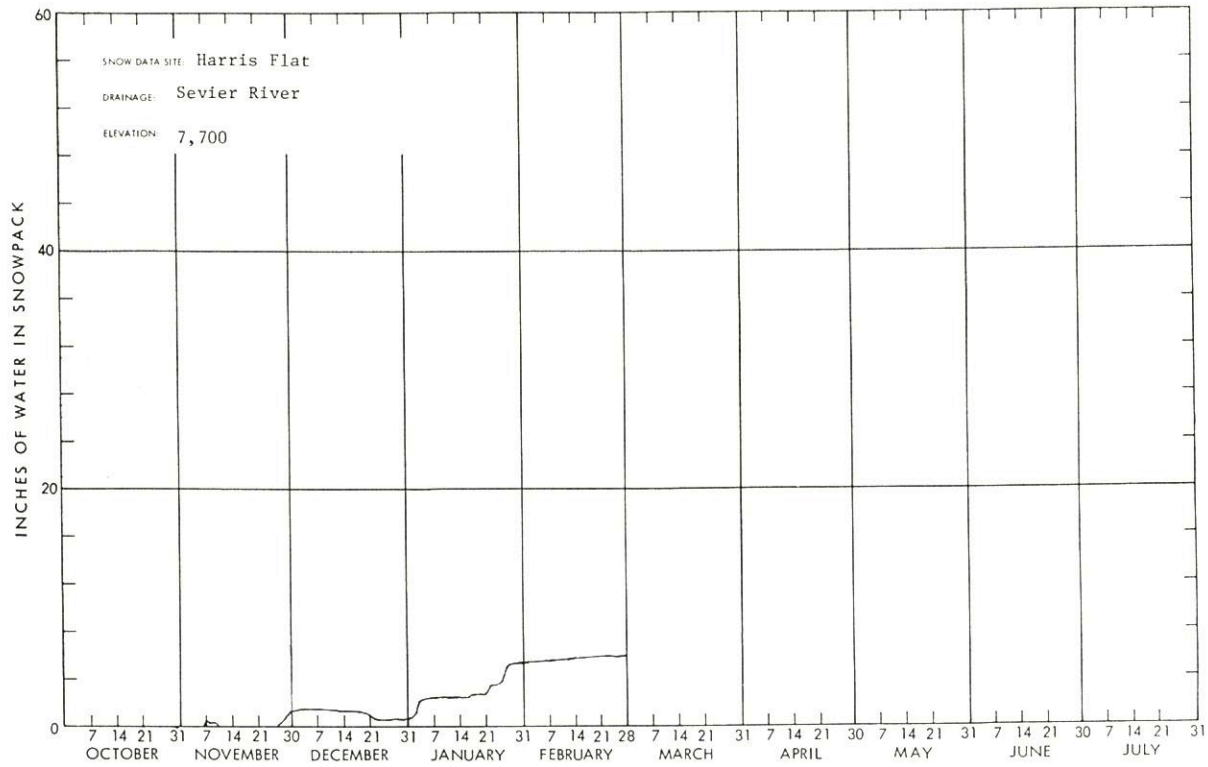

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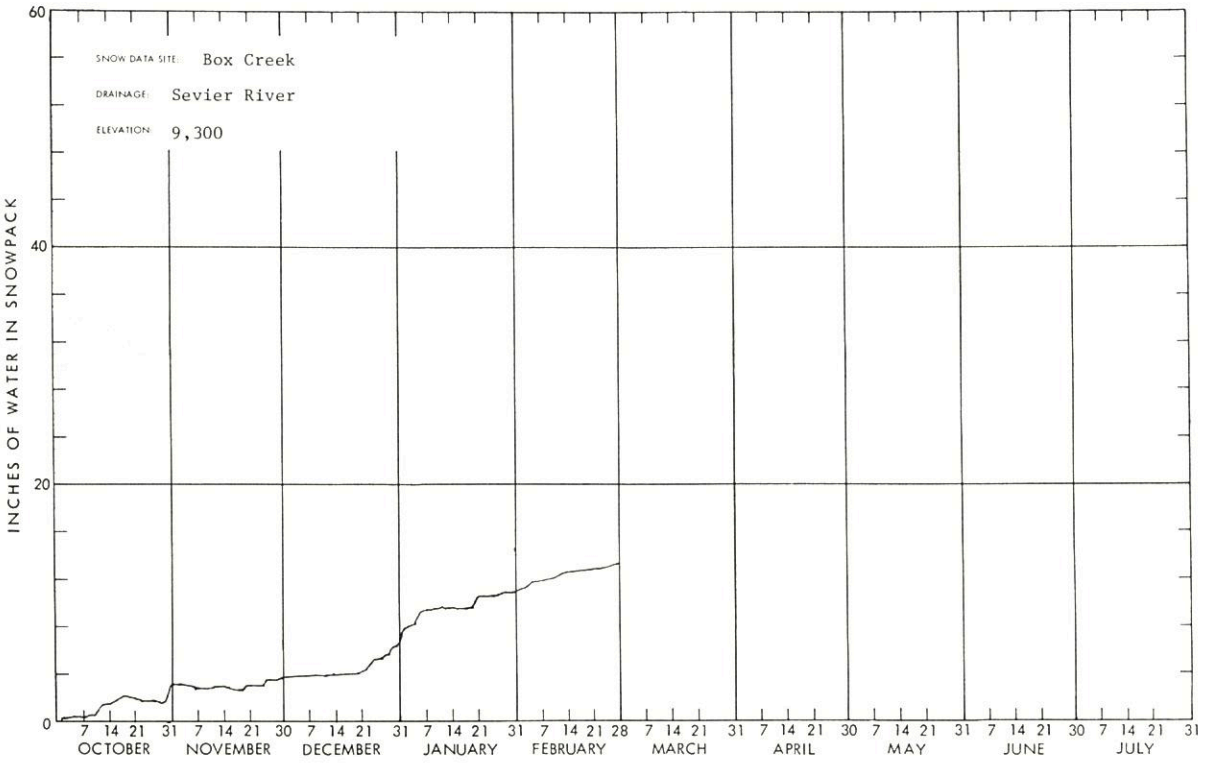

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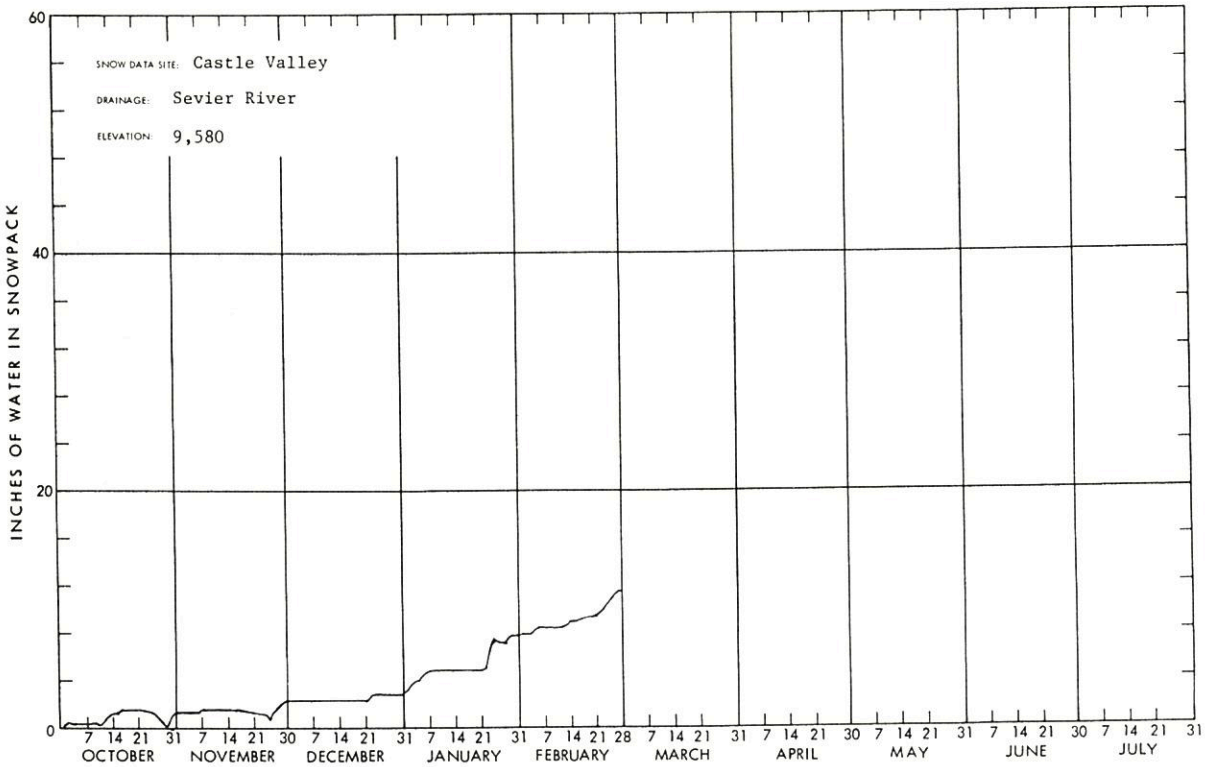

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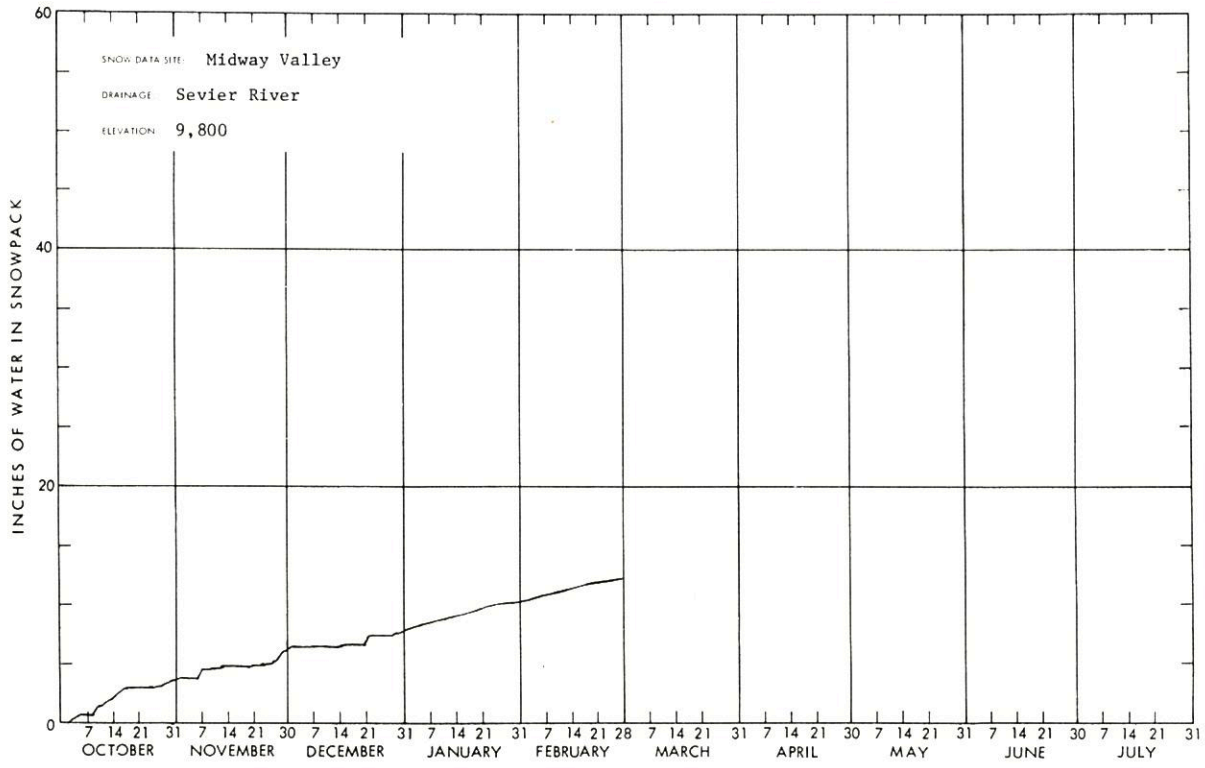
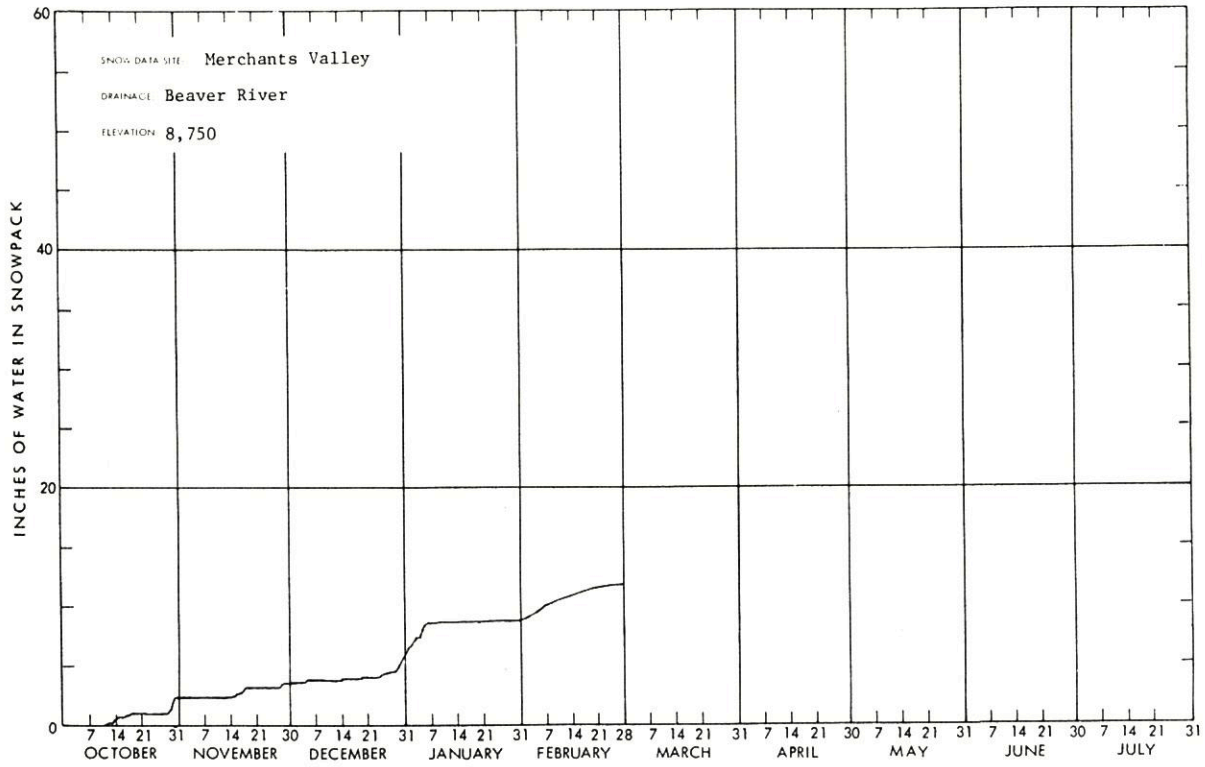
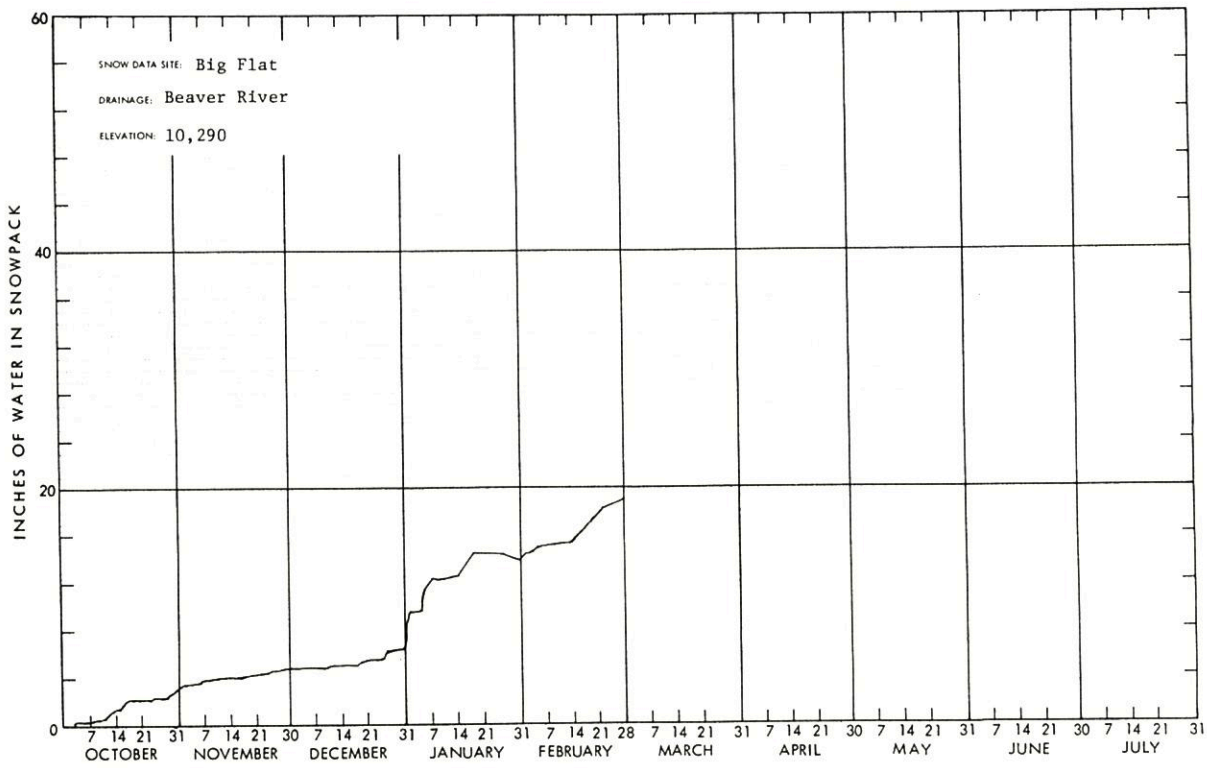
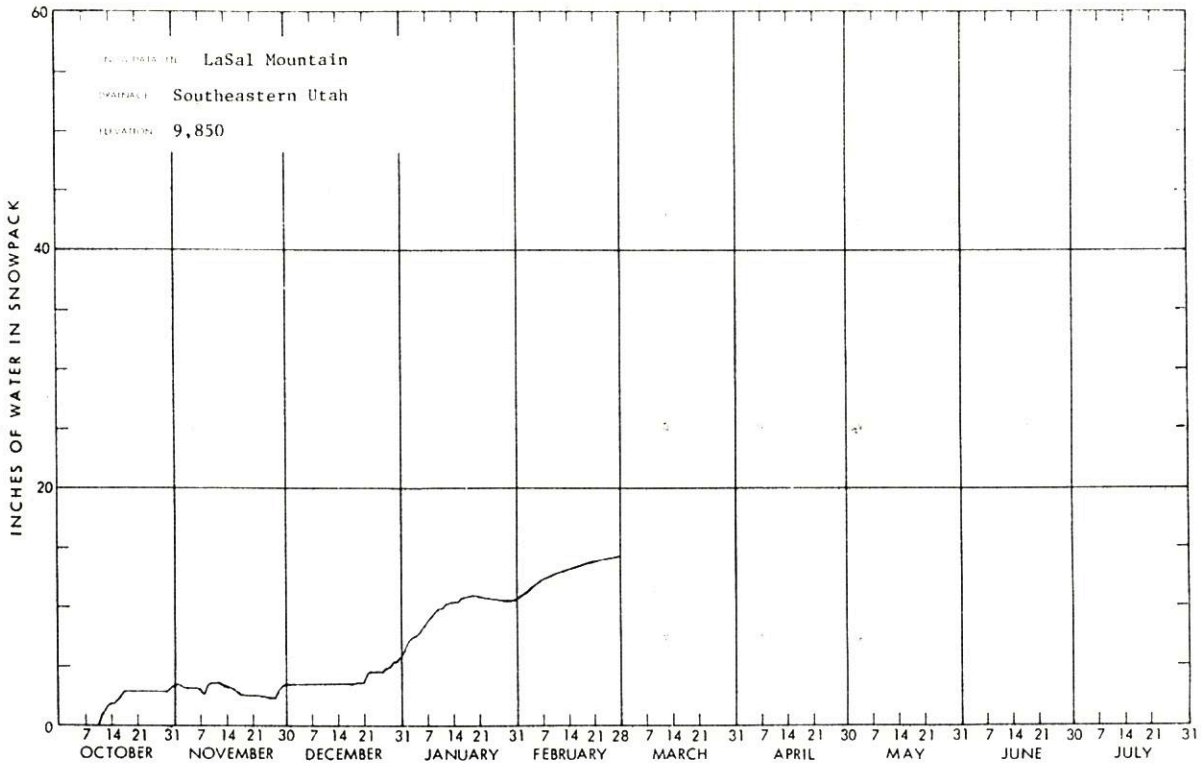
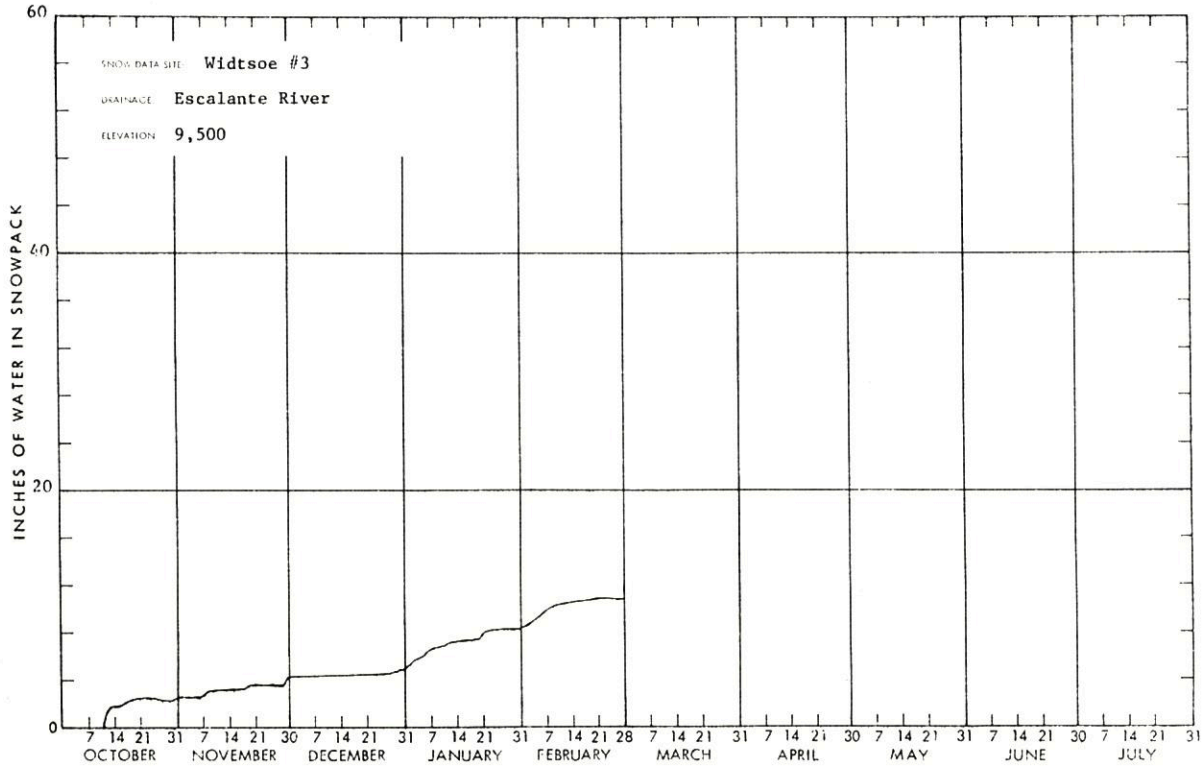



SNOW DATA SITE Merchants Valley
DRAINAGE Beaver River
ELEVATION 8,750
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

WSF8-X13C


SNOW DATA SITE: Big Flat
DRAINAGE: Beaver River
ELEVATION: 10,290
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE LaSal Mountain
DRAINAGE Southeastern Utah
ELEVATION 9,850
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE Widtsoe #3
DRAINAGE Escalante River
ELEVATION 9,500
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

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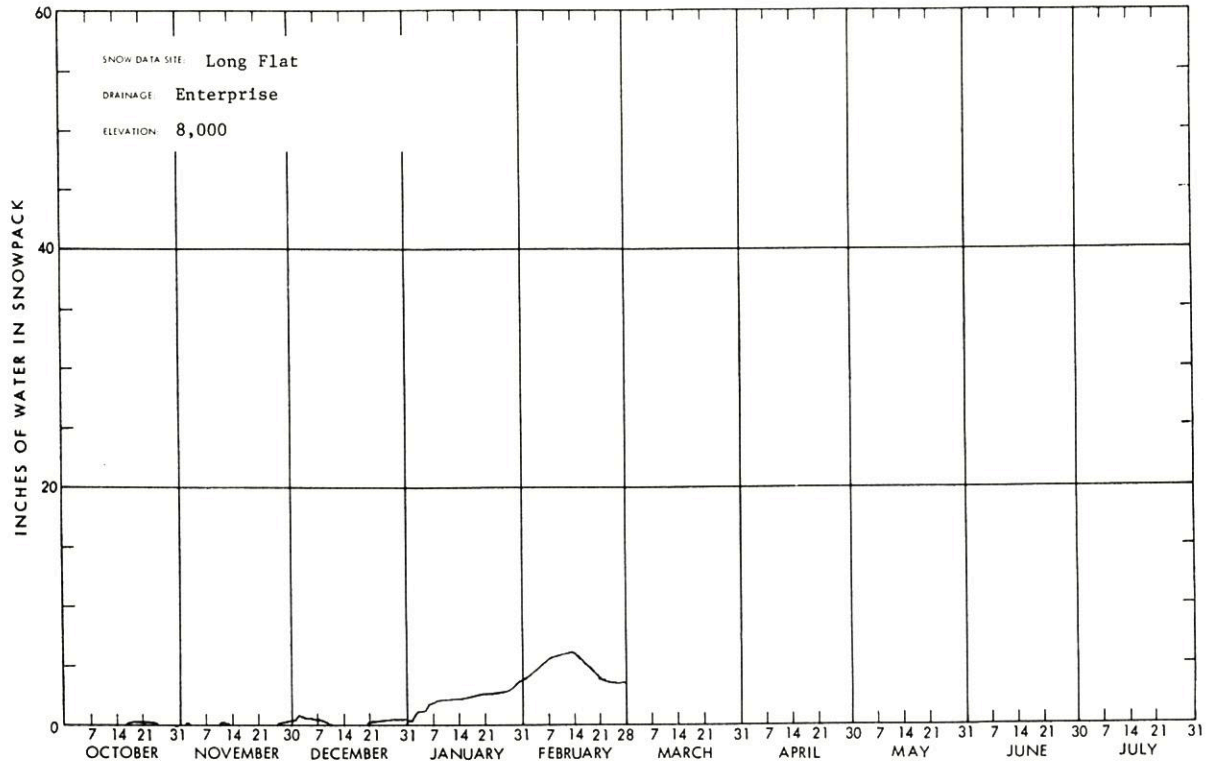
SNOW DATA SITE: Long Flat
DRAINAGE: Enterprise
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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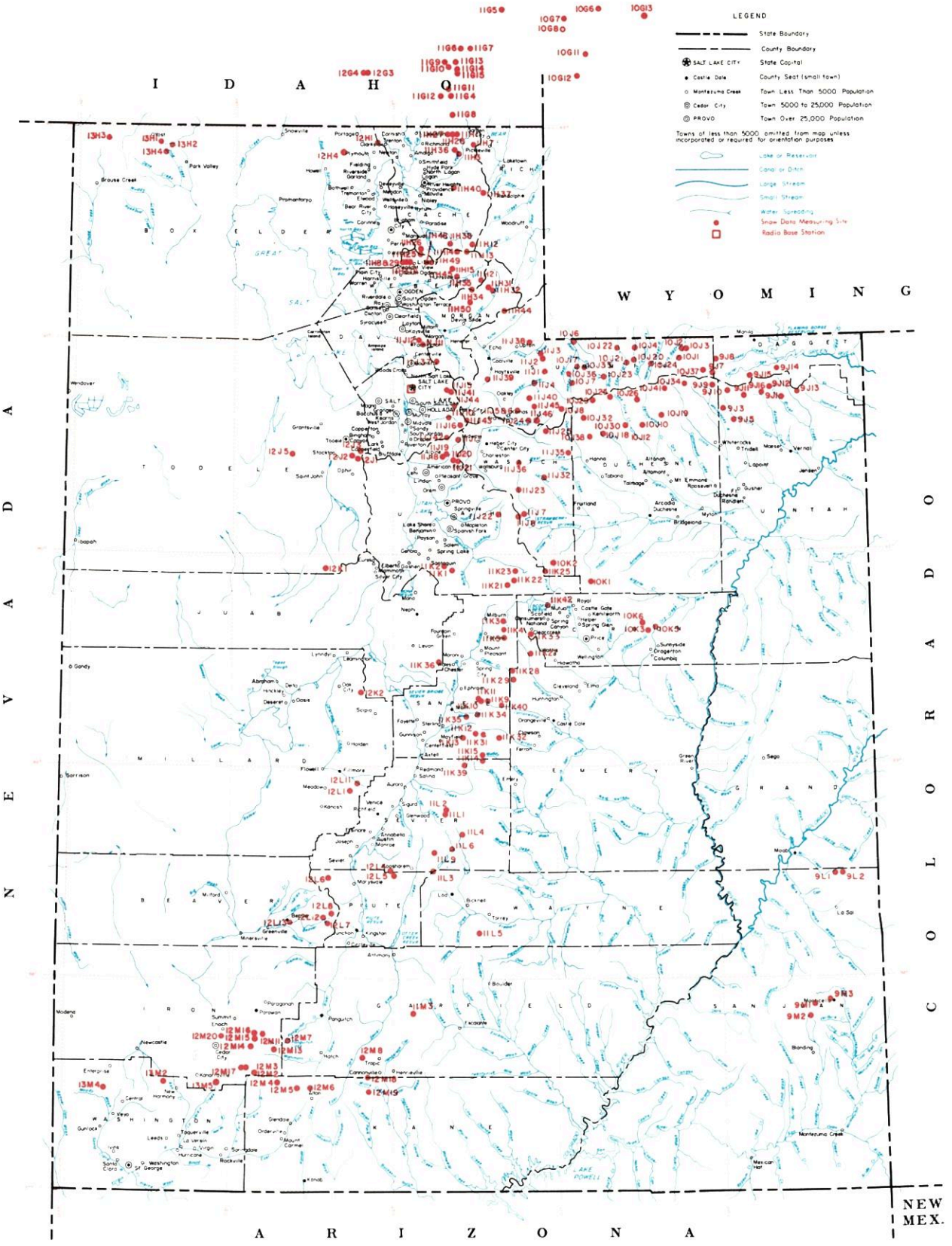

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:1,500,000

ALBERS EQUAL AREA PROJECTION

USDA SCS PORTLAND, OR 1981 M7-01-4202/

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11GBMPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hallow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lamond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lamond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	7	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,100
10K2MPST	U	White River #1	11	10S	8E	8,550
11K25	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Forks	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage.
10J7M	Snow Course and Soil Moisture Station.
10J7A	Snow Course and Aerial Marker.
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage.
10J7a	Aerial Marker Only.
10J7p	Storage Precipitation Gage Only.
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature.
10J7PST	Snotel Data Site.

United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources

April 1, 1982

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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WASHINGTON, D.C.

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SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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Salt Lake City, Utah 84147

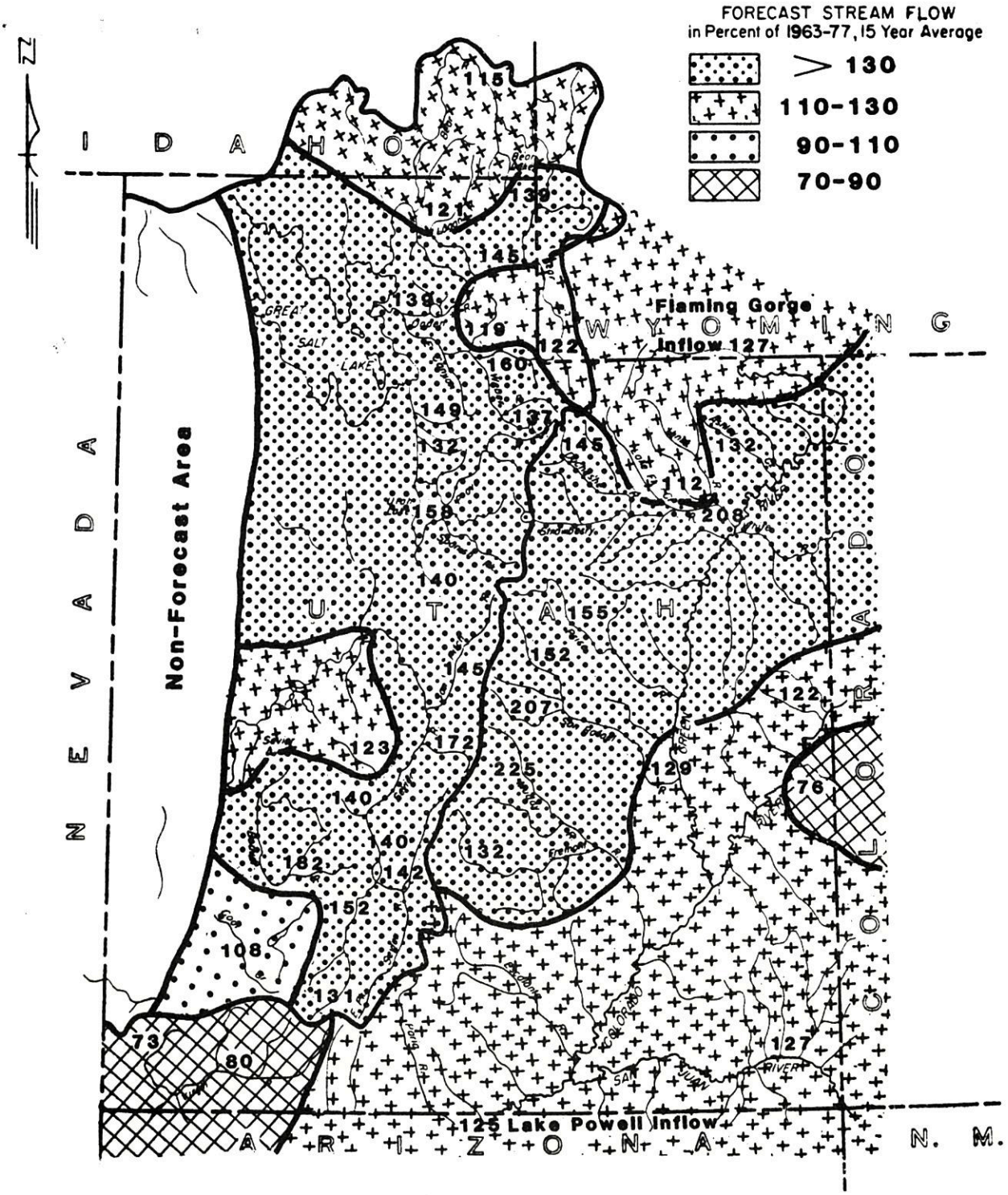
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

April 1, 1982

Approximate Date

50 0 50 100
SCALE IN MILES



WATER SUPPLY OUTLOOK

As Of April 1, 1981

* *
* Utah's 1982 Water Supply Outlook improved greatly with *
* heavy March increases to the snow pack and now ranges *
* from near average in southern Utah to much above *
* average in central Utah. Snow cover now ranges from *
* 96% to 174% of the April 1 average. Reservoir storage *
* is 108% of average statewide and streamflow forecasts *
* range from near average to better than twice average. *
* *

SNOW COVER

Snow measurements taken the last week of March showed monthly increases as high as ten times the average increase for the month. Some of this increase was caused by very little melt during the month at low and medium elevation courses. Basin snow water content percentages now range from 96% on Blue Mountains above Monticello and Pine Valley Mountains above Enterprise to 174% on Muddy River in South Central Utah. The Bear Basin 129%, Logan 136%, Ogden 148%, Weber 135%, Duchesne 152%, Provo-Utah Lake 165%, Price 161%, San Rafael 154%, South Fork Sevier 129%, East Fork Sevier 143%, Lower Sevier 137%, Beaver River 158% and La Sal Mountains 108% of the April 1 average. Jordan River-Salt Lake Front 148% with Silver Lake Brighton snow water content (38.0) about the same as the record high in 1952 of 38.2 inches of water.

PRECIPITATION

March precipitation at mountain stations was generally well above average but ranged from near average on the north slope of the Uinta Mountains to three and a half times average in American Fork Canyon and 365% of average at Paradise Park on the south slope of the Uintas.

SOIL MOISTURE

Watershed soils have near average moisture except in the southern quarter of the state where fall precipitation was below average prior to snow accumulation.

RESERVOIR STORAGE

Storage in 25 of Utah's key irrigation reservoirs totaled 108% of the April 1 fifteen year average and 78% of capacity. Some reservoirs are releasing water in preparation for higher than average peak flows. All reservoirs in the northern 3/4 of the state should fill this season. Utah Lake is at compromise level and Great Salt Lake is 4,4199.90 feet or 0.1 feet below last year at this time.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW

Streamflow forecasts increased as much as 65% because of very heavy March increases to the snow pack and forecasts now range from 73% on the Santa Clara to 225% on the Muddy.

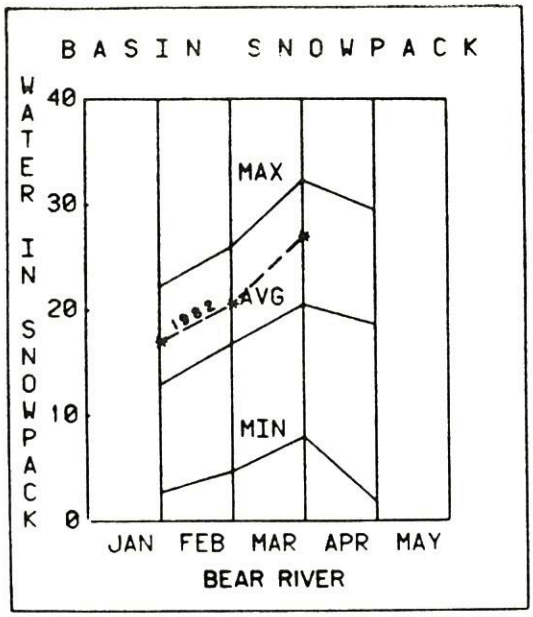
Water supplies are expected to be at least average for all uses except for some late season shortages in the southern 1/4 of the state.

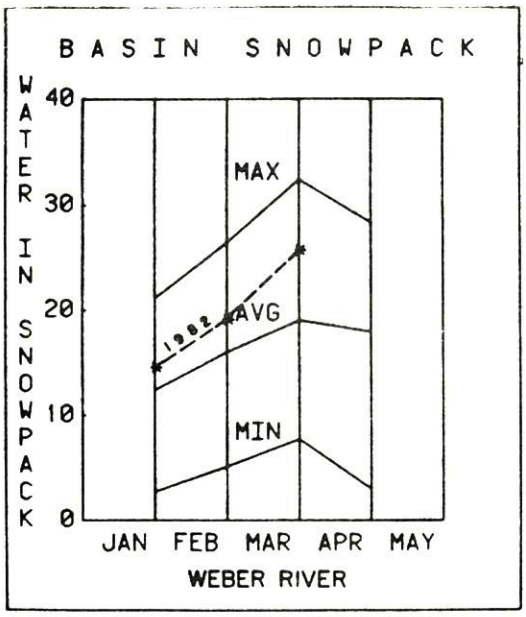
Mean daily peak flows are expected to be about twice average on the Muddy, Ferron, Beaver and Strawberry and precautions should be taken to protect property near stream channels.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
Bear River	Bear Lake	1421.0	957.6	1067.4	1039.5
	Woodruff Narrows	57.3	34.7e	22.8	23.8
Beaver River	Minersville (RkyFd)	23.3	19.6	23.9	14.9
Little Bear	Hyrum	15.3	10.2	14.2	12.4
	Porcupine	11.3	6.0e	4.3	5.2
Ogden	Causey	6.9	1.1	4.7	2.5
	Pineview	110.1	78.6	65.9	55.8
Provo	Deer Creek	149.7	115.0	119.5	108.7
Settlement Creek	Settlement Creek	1.2	0.6	0.6	--
	Vernon Creek	0.6	0.5	0.6	--
Sevier River	Gunnison	18.2	18.2	18.2	16.5
	Otter Creek	52.5	50.7	52.5	37.3
	Piute	71.8	65.9	70.0	49.9
	Sevier Bridge	236.0	234.0	230.8	146.8
Spanish Fork	Strawberry	270.0	182.0	220.2	156.9
Utah Lake	Utah Lake	883.9	883.9	881.0	752.0
Weber	East Canyon	48.1	32.4	39.6	29.0
	Echo	73.9	44.2	61.5	50.7
	Lost Creek	20.0	12.5	17.4	13.1
	Rockport	60.9	27.1	47.7	32.5
	Willard Bay	190.3	157.6	186.2	145.6
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	24.4	28.0	23.4
Colorado	Blue Mesa	829.5	219.9	414.0	--
	Lake Powell	25002.0	19635.0	21593.0	--
Green	Flaming Gorge	3749.0	2662.0	2940.0	--
Lakefork	Moon Lake	35.8	20.5	18.2	19.6
Price River	Scofield	65.8	37.1	51.4	36.8
San Juan	Navajo	1696.0	1238.2	1231.0	--
	Ken's Lake	2.7	0.7	--	--
San Rafael	Huntington North	3.9	3.3	3.9	3.6
	Joe's Valley	61.6	31.5	36.8	38.0
	Mill Site	16.7	7.4	10.6	--
Strawberry	Starvation	165.3	139.1	152.3	127.6
Uintah	Bottle Hollow	11.1	11.1	11.3	10.6

USDA-SCS-PORTLAND, OREG. 1989


BASIN SNOWPACK
WATER IN SNOWPACK
40
30
20
10
0
MAX
1982
AVG
MIN
JAN FEB MAR APR MAY
BEAR RIVER


BASIN SNOWPACK
WATER IN SNOWPACK
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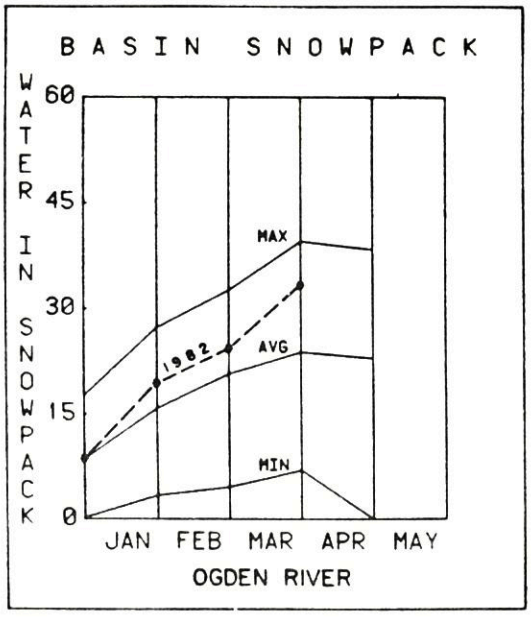
20
10
0
MAX
1982
AVG
MIN
JAN FEB MAR APR MAY
WEBER RIVER


BASIN SNOWPACK
WATER IN SNOWPACK
60
45
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15
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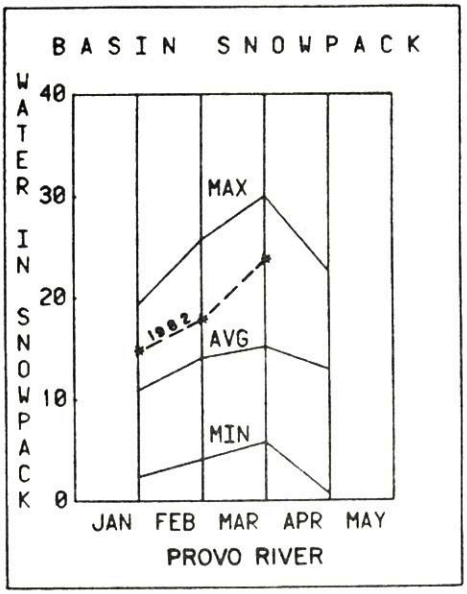
MAX
1982
AVG
MIN
JAN FEB MAR APR MAY
OGDEN RIVER


BASIN SNOWPACK
WATER IN SNOWPACK
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MAX
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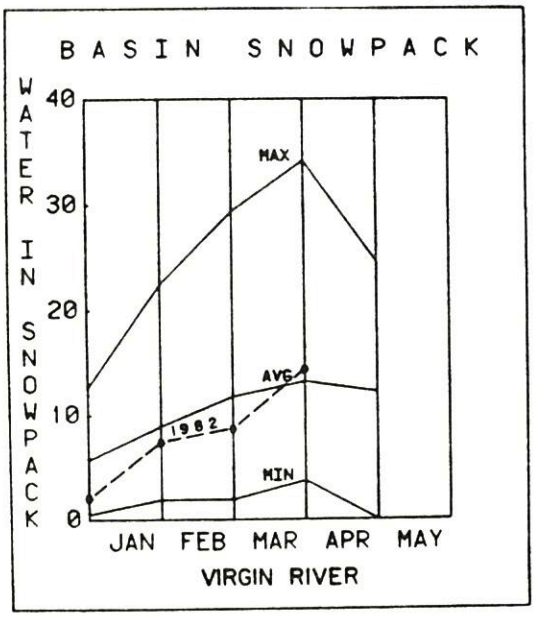
MIN
JAN FEB MAR APR MAY
PROVO RIVER


BASIN SNOWPACK
WATER IN SNOWPACK
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20
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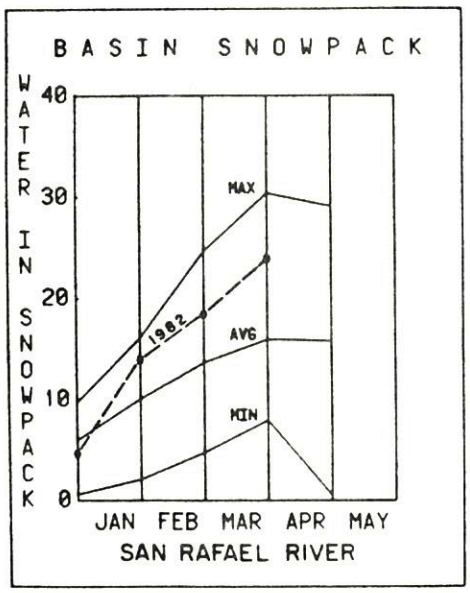
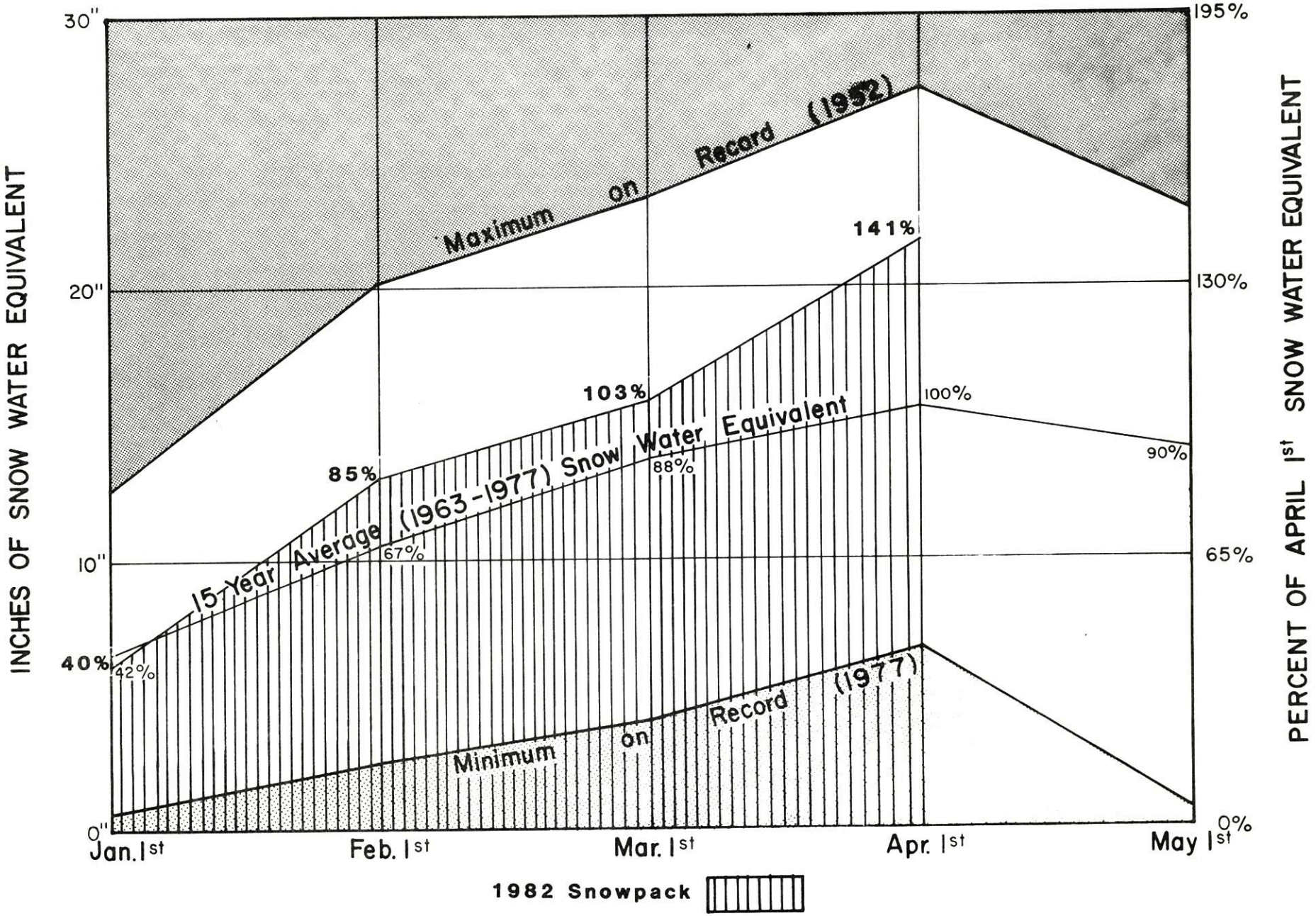
MAX
1982
AVG
MIN
JAN FEB MAR APR MAY
VIRGIN RIVER


BASIN SNOWPACK
WATER IN SNOWPACK
40
30
20
10
0
MAX
1982
AVG
MIN
JAN FEB MAR APR MAY
SAN RAFAEL RIVER

UTAH'S WINTER SNOWPACK

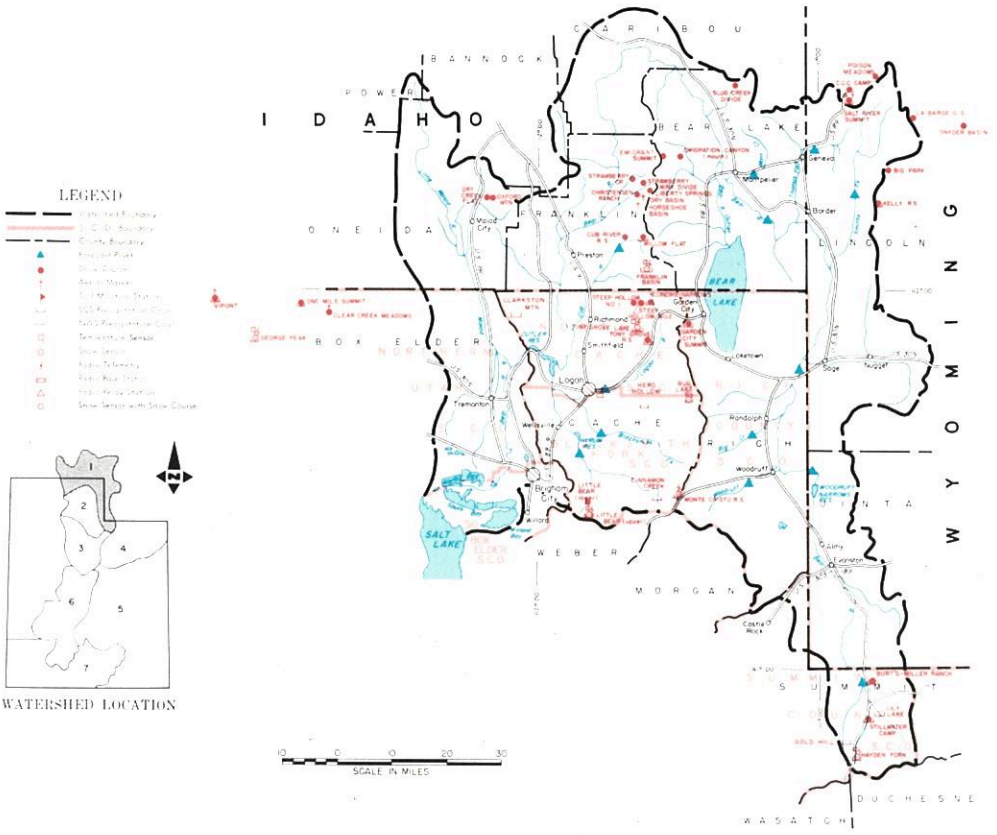
Data based on 79 selected snow courses



Soil Conservation Service, Salt Lake City, Utah

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER increased much above average during March - some water contents increased 5 to 6 times the average for March. The April 1 basin averages now range from 121% on the Upper Bear to 136% on Logan River.

PRECIPITATION at mountain stations was much above average for March and the October-March totals now range from 102% of average at Burts-Miller Ranch to 150% at Willow Flat at the head of Cub River.

SOIL MOISTURE is good at higher elevations.

RESERVOIR STORAGE is near average. Bear Lake is only 92% of the April 1 average.

STREAMFLOW FORECASTS increased as much as 34% for the April-July period and now range from 115% for the Bear at Haver, Idaho, to 145% for the Bear near Woodruff, Utah. The Bear near state line is forecast 122% of average, Logan River 121%, Blacksmith Fork 130% and Little Bear 144%.

Peak flows are expected to be 20 to 46% above average and precautions should be taken to protect property near stream channels.

Good water supplies are expected for all uses.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-I

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	This Year Forecast Thousand Acre Feet	This Year Forecast Percent of Average	This Year Forecast Period	Past Record Thousand Acre Feet Last Year	Past Record Thousand Acre Feet Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	139	122	Apr-July	100	114
Bear nr Woodruff	215	145	Apr-July	121	148
Woodruff Crk nr Woodruff, UT	22	118	Apr-July	5.4	18.4b
Big Creek nr Randolph, UT	7.6	141	Apr-July	--	5.4b
Bear nr Randolph	167	139	Apr-July	60	120
Thomas Fork nr UT-WY State Ln	44	126	Apr-Sept	8.3	35
Smith's Fork nr Border, WY	147	123	Apr-Sept	60	120
Bear at Harer, Idaho 1/	383	115	Apr-Sept	105	332
Logan nr Logan 1/	143	121	Apr-July	67	118
Blacksmith Fork nr Hyrum	70	130	Apr-July	23	54
Little Bear nr Paradise	55	144	Apr-June	10.2	38
Cub River nr Preston, ID			Apr-Sept	--	52

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	31	267	129
UPPER BEAR RIVER	6	194	121
LOWER BEAR RIVER	25	284	130
LOGAN RIVER	7	290	136

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
BEAR RIVER	Bear Lake	1421.0	957.6	1067.4	1039.5
	Woodruff Narrows	57.3	34.7	22.8	23.8
LITTLE BEAR	Hyrum	15.3	10.2	14.2	12.4
	Porcupine	11.3	6.0e	4.3	5.2

† - 1963-77 15 year Average Period
e - estimasted

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	60-100	63e
Logan River nr Logan	1090-1390	1016
Woodruff Creek nr Woodruff	280-420	239
Little Bear nr Paradise	600-760	507
Bear nr. Ut.-Wyo. Stateline	1750-2120	1600

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	This Year Date of Survey	This Year Snow Depth (inches)	This Year Water Content (inches)	Past Record Water Content (inches) Last Year	Past Record Water Content (inches) Average †
Burts-Miller Ranch	3/27	17	6.1	7.0	6.1
Cub River R.S.	3/25	24	10.2	3.2	6.9
Emigrant Summit	3/31	103	36.7	12.6	26.0
Franklin Basin	3/25	94	35.3	14.4	28.2
Hayden Fork	3/27	54	20.0	12.5	15.9
Klondike Narrows	3/25	72	28.6	9.9	20.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	This Year Date of Survey	This Year Snow Depth (inches)	This Year Water Content (inches)	Past Record Water Content (inches) Last Year	Past Record Water Content (inches) Average †
Little Bear Lower	3/26	33	14.0	2.2	9.9
Little Bear Upper	3/26	41	16.1	6.4	12.9
Monte Cristo	3/26	89	32.6	12.3	25.9
Salt River Summit	3/30	68	21.4	8.8	16.9
Stillwater Camp	3/27	42	13.1	7.9	11.3b
Tony Grove R.S.	3/25	43	17.6	3.5	11.9

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
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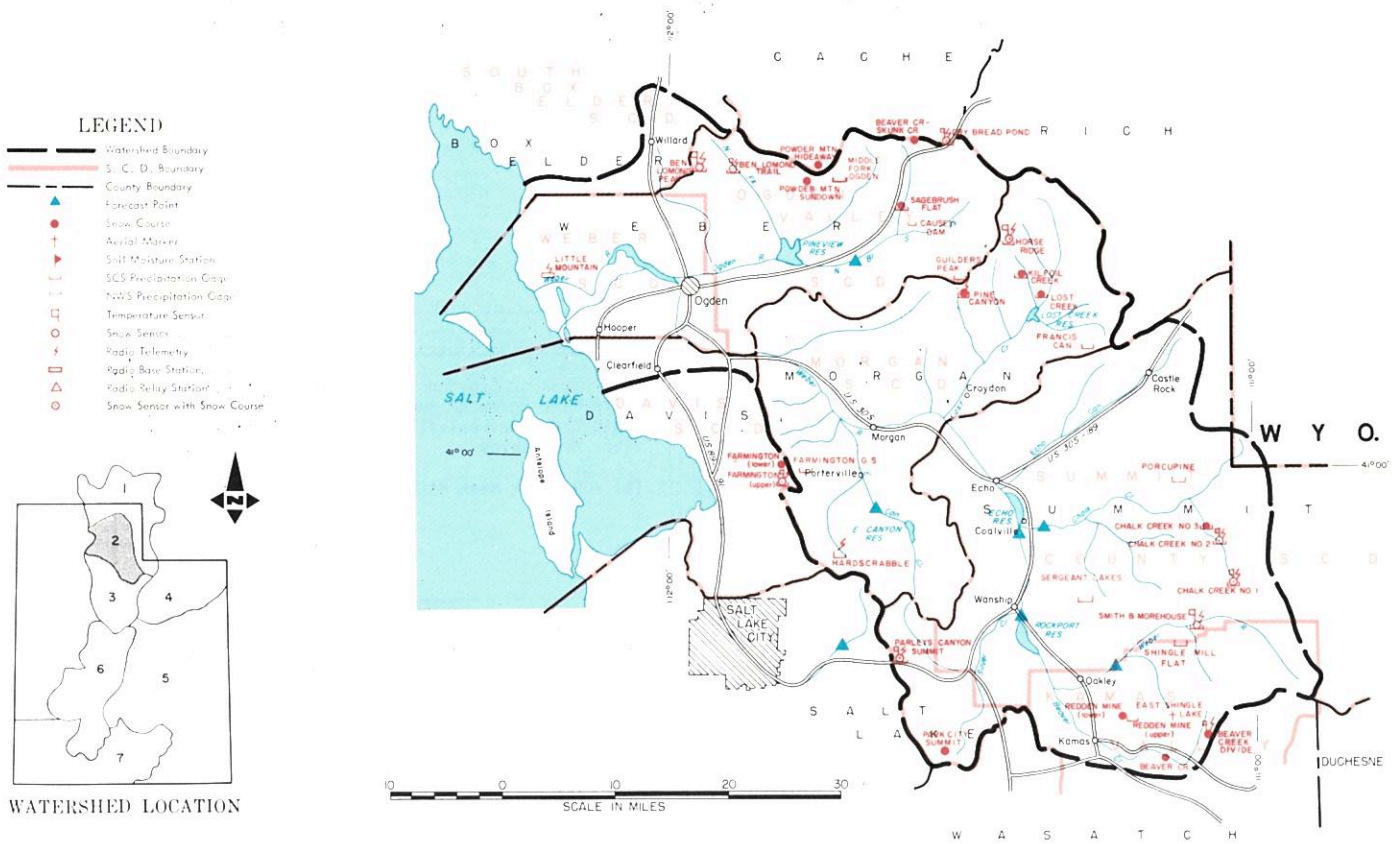

APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER increased at a much above average rate during March. Some snow courses that would normally have lost water content due to melt gained as much as 2 to 5 inches of water content. Others that normally gain up to 5 inches gained as much as 16 inches during March. Ogden Basin snow cover is now 148% of the April 1 average with much above average low elevation snow. Weber Basin snow cover is now 135% of the April 1 average.

PRECIPITATION at mountain locations during March ranged from 131% at Causey Reservoir to 335% at Ben Lomond Trail. The October-March totals now range from 116% at Smith and Morehouse to 145% at Causey Reservoir.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is generally near average except for those reservoirs intentionally held lower to allow space for snow melt runoff. All reservoirs are expected to fill this spring.

STREAMFLOW FORECASTS increased 14 to 42% as a result of much above average increases to the snow pack and now range from 119% of the April-June period for Lost Creek to 160% for Chalk Creek. Peak flows are expected to be above average this spring and precautions should be taken to protect property near stream channels.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	143	137	Apr-June	99	104
Rockport Reservoir Inflow 1/	170	151	Apr-June	106	112
Chalk Creek at Coalville	63	160	Apr-June	30	40
Weber nr Coalville	193	157	Apr-June	87	123
Lost Creek nr Croydon, UT	21	119	Apr-June	3.9	17.4b
East Canyon Creek nr Morgan 1/	35	135	Apr-June	11.4	26
Hardscrabble Crk nr Portervill	20	139	Apr-June	--	14.4e
South Fork Ogden nr Huntsville	74	129	Apr-June	19.9	57
Pineview Reservoir Inflow 2/	159	139	Apr-June	36	115
Echo Reservoir Inflow	248	155	Apr-June	109	160
Weber at Gateway	491	158	Apr-June	165	310
JORDAN RIVER & SALT LAKE	12.8	158	Apr-July	5.1	8.1b
Farmington Crk nr Farmington					

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	302	148
WEBER RIVER	12	197	135

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
OGDEN	Causey	6.9	1.1	4.7	2.5
	Pineview	110.1	78.6	65.9	55.8
WEBER	East Canyon	48.1	32.4	39.6	29.0
	Echo	73.9	44.2	61.5	50.7
	Lost Creek	20.0	12.5	17.4	13.1
	Rockport	60.9	28.4	47.7	32.5
	Willard Bay	193.3	157.6	186.2	145.6

+ - 1958-72 15 year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon	280-420	220
South Fork Ogden nr Huntsville	870-1170	772
Chalk Creek nr Coalville	720-970	569
Weber nr. Oakley	1800-2500	1690

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Beaver Creek R.S.	3/27	28	11.4	5.4	7.2
Beaver Creek-Skunk Creek	3/26	44	17.1	4.1	12.0
Ben Lomond Peak	3/26	137	51.0	18.8	34.1
Ben Lomond Trail	3/26	61	24.9	8.4	16.2b
Chalk Creek #1	3/27	86	31.3	16.7	22.4
Chalk Creek #2	3/27	57	19.5	12.3	15.6
Chalk Creek #3	3/27	25	9.7	7.2	7.5
Dry Bread Pond	3/26	68	25.1	9.4	18.9

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Horse Ridge	3/26	80	30.2	10.6	21.9b
Lost Creek Reservoir	3/27	10	4.4	0.0	2.0b
Monte Cristo	3/26	89	32.6	12.3	25.9
Parleys Canyon Summit	3/30	73	23.9	12.0	18.5
Sagebrush Flat	3/26	11	4.8	0.0	2.0
Smith & Morehouse	3/27	43	16.3	9.4	12.9
Trial Lake	3/27	95	35.5	16.3	23.5

e - estimated

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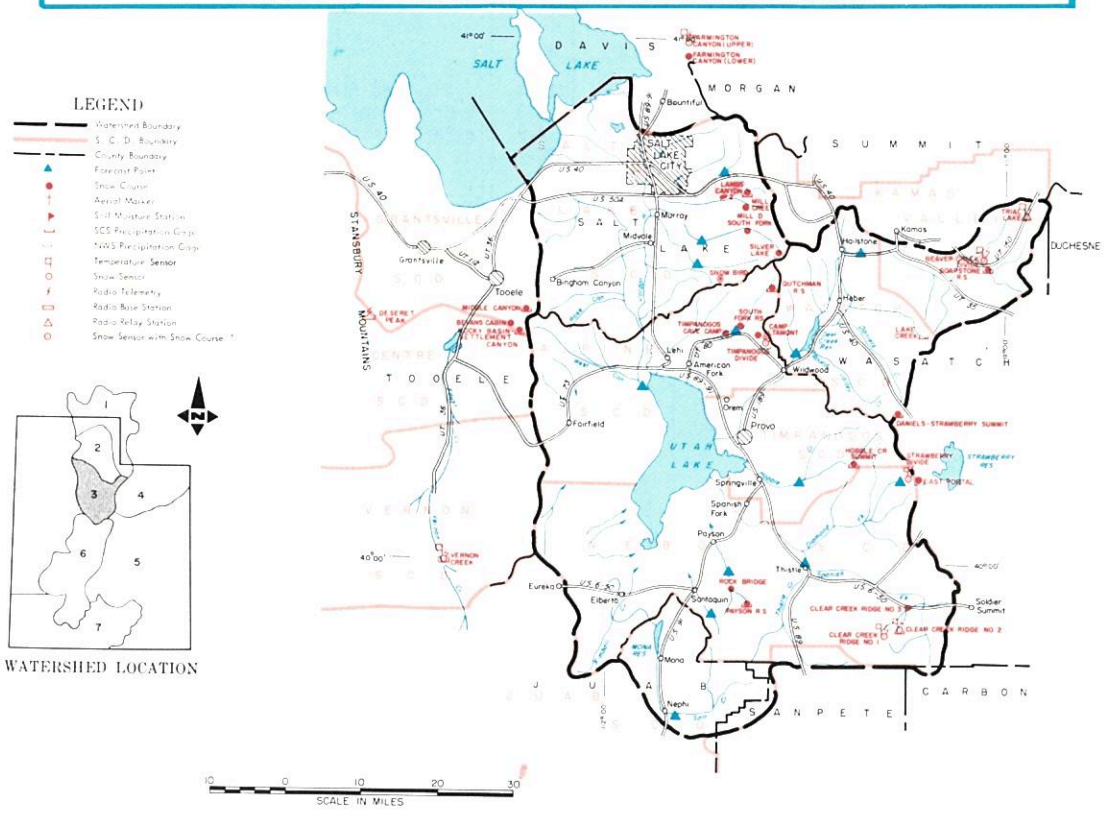
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER increased at 2 to 10 times the average for March and now ranges from near average in Tooele Valley to 165% for Provo-Utah Lake drainages. Salt Lake front streams now average 148% of the April 1 average.

PRECIPITATION at mountain stations ranged from 1 1/2 to 3 1/2 times average.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS have increased as much as 40% due to heavy snow pack increases and now range from average on Settlement Canyon Creek to 172% of average for the Provo near Hailstone.

Average to above average water supplies are expected for all uses in this area. Peak flows are expected to be above average on many streams in this area. Precautions should be taken to protect property near stream channels.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	175	172	Apr-July		109
Provo below Deer Creek Dam 1/	204	170	Apr-July		120
American Fork nr American Fork	52	170	Apr-July		31
Hobble Creek nr Springville	30	170	Apr-July		19.7[b]
Strawberry Reservoir Inflow 1/	76	146	Apr-July	17.4	52
Spanish Fork at Thistle	62	160	Apr-July		39[b]
Payson Creek nr Payson	8.8	140	Apr-July		6.3
Utah Lake Inflow	385	158	Apr-July		244
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	52	138	Apr-July		38
Big Cottonwood nr SLC	51	135	Apr-July		38
Parley's Creek nr SLC	23	149	Apr-July		15.4
Mill Creek nr SLC	9.4	149	Apr-July		6.3
Emigration Creek nr SLC	5.4	135	Apr-July		4.9
City Creek nr SLC	10.0	125	Apr-July		10.7
TOOELE VALLEY					
Vernon Creek nr Vernon	1.1	157	Apr-June	0.8	0.7
Settlement Crk nr Tooele	2.3[a]	100	Apr-July	--	2.3
S. Willow Crk nr Grantsville	3.8[a]	131	Apr-July	1.7	2.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	13	232	165
JORDON RIVER & SALT LAKE	2	226	148

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction
a-Partly estimated

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
SPANISH FORK	Strawberry	270.0	182.0	220.2	156.9
UTAH LAKE	Utah Lake	883.9	883.9	881.0	752.0
	Settlement Creek	1.2	0.6	0.6	--
	Vernon Creek	0.6	0.5	0.6	--
PROVO	Deer Creek	149.7	115.0	119.5	108.7

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Spanish Fork nr Thistle	700-900	
Big Cottonwood nr Salt Lake City	450-550	
Little Cottonwood nr Salt Lake City	500-600	
Mill Creek nr Salt Lake City	70-90	
Parleys Cr. nr Salt Lake City	200-250	
Emigration Cr. nr Salt Lake City	50-70	
City Creek nr Salt Lake City	90-110	
Stone Creek nr Bountiful	45-55	
Mill Creek nr Bountiful	50-70	
Americal Fork	500-600	
Provo nr Hailstone	2200-2600	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Bevans Cabin	Delayed			10.8	11.5
Camp Altamont	3/27	60	27.2	12.6	13.4
Clear Creek #1	3/31	73	24.8	10.7	18.2
Clear Creek #2	3/31	64	20.0	10.0	13.6
Clear Creek #3	3/31	22	8.6	1.6	5.2
Daniels-Strawberry Summit	4/1	58	20.1	7.6	13.7
Desert Peak	Delayed			22.2	--
Dutchman R.S.	3/27	71	28.4	13.0	15.4
Hobble Creek Summit	4/1	53	19.4	7.6	12.9
Lambs Canyon #2	3/30	67	23.1	10.5	--
Middle Canyon	3/27	35	14.2	11.4	14.1
Mill Creek	3/31	77	26.8	16.6	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mill D South Fork	3/31	76	28.4	13.1	19.9
Parleys Canyon Summit	3/30	73	23.9	12.0	18.5
Payson R.S.	3/25	67	24.7	10.1	18.4
Rocky Basin-Settlement Canyon	Delayed			21.7	27.1
Silver Lake Brighton	3/31	106	38.0	16.3	24.9
Soapstone R.S.	3/27	43	16.2	8.6	11.6
South Fork R.S.	3/25	22	9.6	4.8	3.2
Timpanogos Divide	3/27	99	38.6	17.2	23.5
Trial Lake	3/27	95	35.5	16.3	23.5
Vernon Creek	3/27	36	11.5	7.2	11.2[a]

a - Partly estimated
e - Estimated

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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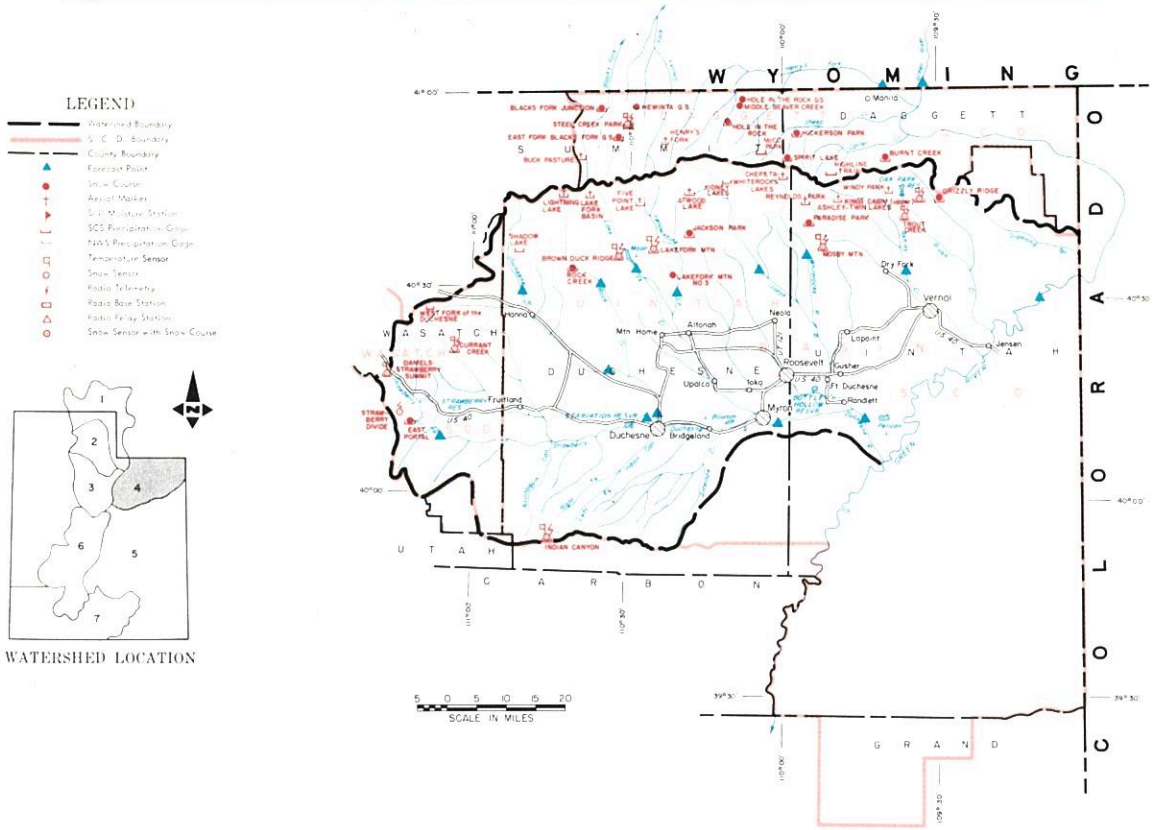

APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER had well above average gain during March and now ranges from 132% of average for Black's Fork to 159% on the Uintah-Whiterocks. Lakefork-Yellowstone is 145% and Ashley Creek 157% of the April 1 average.

PRECIPITATION at mountain locations ranged from average on the north slope of the Uintahs to about 3 1/2 times average at Paradise Park on the south slope.

SOIL MOISTURE is better than average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS increased 9 to 47% as a result of better than average increases to the snow pack and now range from 104% of the April-July average on Henry's Fork to 208% for the Duchesne at Myton. Lakefork is forecast 112% and Ashley Creek 132% of the April-July average.

Peak flow is expected to be about twice average for Strawberry near Duchesne to a little above average for Ashley Creek. Precautions should be taken to protect property near stream channels prior to the snow melt season.

Good water supplies are expected for all uses.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	156	145	Apr-July	73	107
Duchesne at Duchesne 1/	270	140	Apr-July	83	193
Strawberry at Duchesne	102	178	Apr-July	24	57
Rock Creek nr Mtn. Home	136	143	Apr-July	68	95
Currant Creek nr Fruitland	32	158	Apr-July	11.0	20
Lakefork below Moon Lake 1/	80	112	Apr-July	64	72
Yellowstone nr Altonah	76	114	Apr-July	46	67
Duchesne at Myton 1/	439	208	Apr-July	70	210
Whiterocks nr Whiterock	73	122	Apr-July	44	60
Uintah nr Neola	105	118	Apr-July	70	89
Duchesne at Randlett 1/	515	194	Apr-July	107	266
West Fork Duchesne at Hanna	39	150	Apr-July	15.4	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	54	104	Apr-Sept	17.9	52
Black's Fork at Millburne	117	127	Apr-July	87	92
Flaming Gorge Inflow 1/			Apr-July		1292
Ashley Creek nr Vernal	67	132	Apr-July	35	51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	12	184	152
LAKEFORK-YELLOWSTONE CREEKS	3	146	145
STRAWBERRY RIVER	3	300	157
UINTAH - WHITEROCKS RIVERS	3	141	159
ASHLEY CREEK	3	153	157
BLACK'S FORK	4	158	132

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
ASHLEY CREEK	Steinaker	33.3	24.4	28.0	--
GREEN RIVER	Flaming Gorge	3749.0	2662.0	2940.0	--
LAKE FORK	Moon Lake	35.8	20.5	18.2	19.6
STRAWBERRY	Starvation	165.3	139.1	152.3	127.6
UINTAH	Bottle Hollow	11.3	11.1	11.3	10.6

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Strawberry at Duchesne	1200-1600	656
Ashley Creek nr Vernal	910-1410	1030

a - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Brown Duck Ridge	3/28	85	26.3	14.6	17.4a
Currant Creek	4/1	43	12.6	0.3	7.7
Daniels-Strawberry	4/1	58	20.1	7.6	13.7
Hewinta G. S.	3/27	42	12.5	8.0	9.4
Hickerson Park	3/28	28	7.5	8.3	5.9b
Jackson Park	3/28	63	16.8	12.4	11.5b
Kings Cabin Upper	3/28	48	13.4	8.4	9.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (inches)	Water Content (inches)	PAST RECORD Water Content (inches) Last Year	PAST RECORD Water Content (inches) Average †
Lakefork Mountain	3/28	53	14.7	9.9	10.6
Mosby Mountain	3/28	47	13.3	8.4	8.6
Paradise Park	3/28	66	20.6	14.1	11.8
Rock Creek Ranch	3/28	26	8.6	5.8	5.8
Spirit Lake	3/28	56	17.0	14.7	12.1
Steel Creek Park	3/27	66	20.6	13.6	15.6
Strawberry Divide	3/31	75	26.0	13.6	18.5
Trout Creek	3/28	46	13.0	8.4	--

e - Estimated

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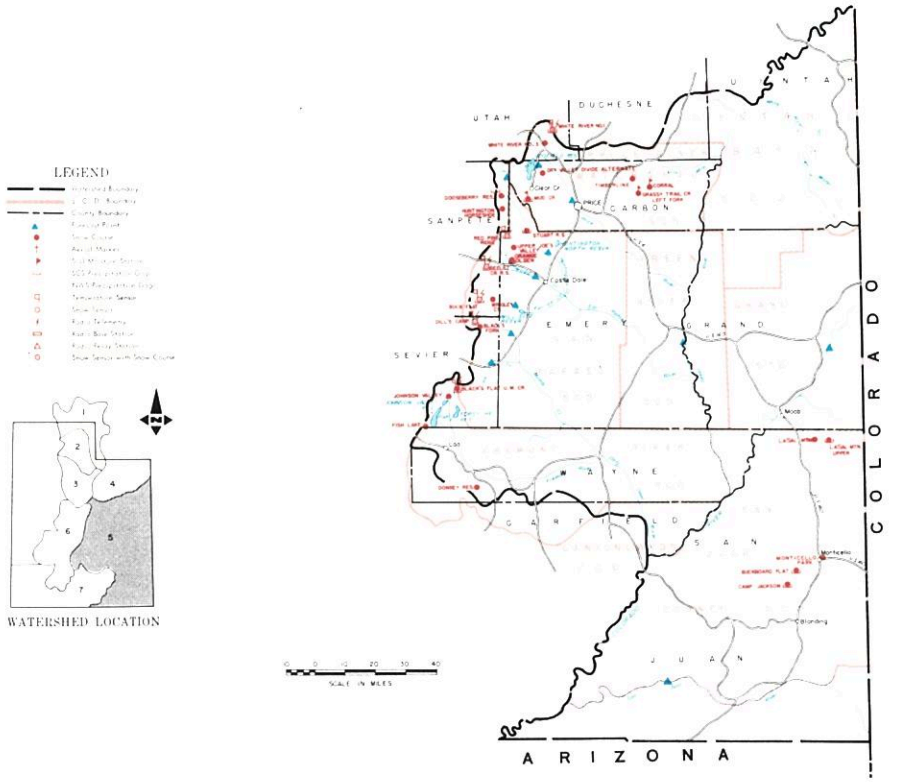
WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER increased at 2 to 4 times the usual March amounts and now ranges from 96% of average on Blue Mountains to 174% on the Muddy.

PRECIPITATION at mountain stations ranged from 117% of the March average at Mud Creek at the head of Price River to 260% at Orange Olsen near Joes Valley Reservoir.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is near average and all reservoirs are expected to fill.

STREAMFLOW FORECASTS increased as much as 65 % after very heavy March increases to the snow pack and now range from 76% of average for Mill Creek above Moab to 225% for Muddy River near Emery. Water supplies are expected to be above average on all streams except from the La Sal and Blue mountain areas which will be near average.

Peak flows are expected to be about twice average on Ferron and Muddy and precautions should be taken to protect property near stream channels.

USDA SCS PORTLAND OR 1981 M7-OL-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	14.5	145	Apr-July		10.1
Scofield Reservoir Inflow	55	154	Apr-July		36
Price nr Heiner 1/	99	155	Apr-July		64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	70	152	Apr-July		49b
Cottonwood Crk nr Orangeville	73	164	Apr-July	31	44b
Ferron Creek nr Ferron	70	207	Apr-July	21	34
MUDDY CREEK					
Muddy Creek nr Emery	38	225	Apr-July	9.1	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3300.0	122	Apr-July		2716
Green at Green River, UT	3850.0	129	Apr-July		2974
Mill Creek nr Moab	3.9	76	Apr-July	2.1	5.1b
Navajo Reservoir Inflow	782.0	129	Apr-July		608
San Juan nr Bluff, UT	1100.0	127	Apr-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.4	132	Apr-July	4.8	6.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	3	307	161
SAN RAFAEL RIVER	8	261	154
FREMONT RIVER	4	204	152
LASAL MOUNTAINS	2	163	108
BLUE MOUNTAINS	2	139	96
MUDDY	2	286	174

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	37.1	51.4	36.8
SAN RAFAEL	Huntington North	3.9	3.3	3.9	3.6
	Joe's Valley	61.6	31.5	36.8	38.0
	Mill Site	16.7	7.4	10.6	--
	Ken's Lake	2.7	0.7	--	--
SAN JUAN	Navajo	1696.0	1238.2	1231.0	--

+ - 1963-77 15 Year Average Period
b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron	720-1020	422
Muddy Creek near Emery	250-380	154

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	3/30	82	28.2	9.8	15.4
Buckboard Flat	3/27	34	11.0	7.8	11.7
Camp Jackson	3/27	36	10.5	7.7	10.8
Dills Camp	3/30	66	20.6	5.8	11.4
Dry Valley Divide Alternate	3/31	42	13.4	2.5	--
Huntington-Horseshoe	3/31	86	31.4	17.1	22.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Mammoth-Cottonwood R.S.	3/31	84	28.8	12.9	20.3
Monticello City Park	3/26	0	0.0	0.0	--
Mud Creek	3/31	65	20.0	7.8	12.3
Seeley Creek	3/31	61	20.4	8.4	16.0
White River #1	3/31	55	18.3	8.0	12.8
White River #3	3/31	32	12.0	0.6	6.1

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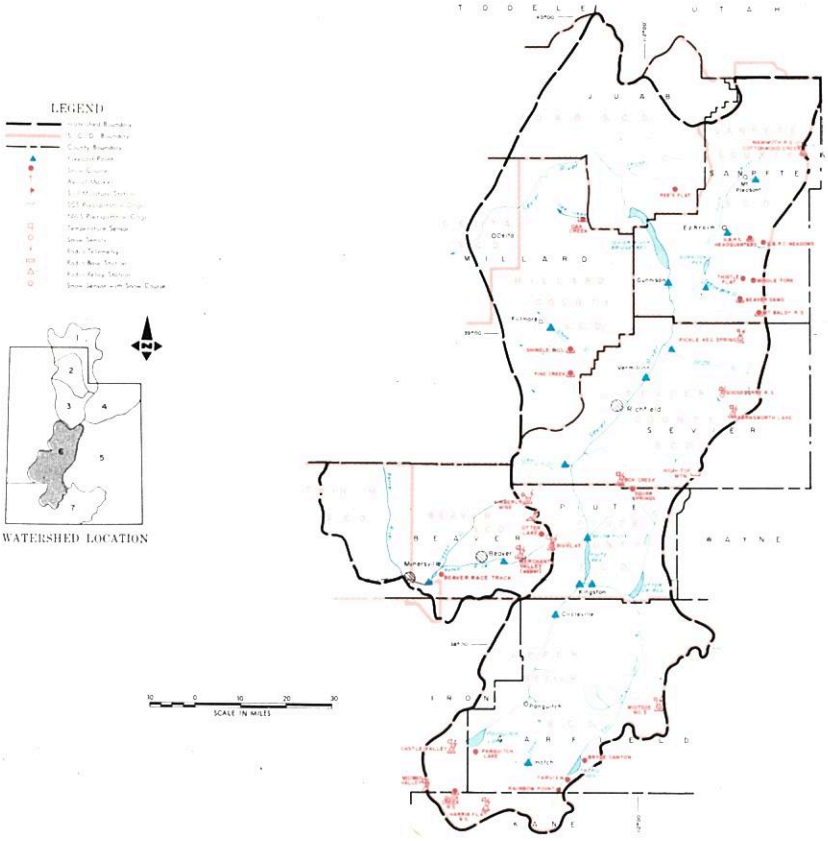
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER increased at well above the average March rate and now ranges from 129% on the South Fork Sevier to 158% on the Beaver River.

PRECIPITATION at mountain stations ranged from 127% of the March average at Kimberly Mine to 232% at Castle Valley.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is 147% of average on the Sevier and 132% on the Beaver.

STREAMFLOW FORECASTS improved 15 to 50% and now range from 114% of average for Oak Creek to 206% for Minerville Inflow. Sevier is forecast 131% at Hatch, 152% at Circleville, 142% at Kingston and 140% at Gunnison. Beaver River is forecast 182% at Beaver and 170% for North Creeks. Chalk Creek is forecast 123%, Oak Creek 114%, Chicken Creek 182%, Ephraim Creek 145% and Pleasant Creek 132%. Average to better than average water supplies are expected for all uses. Peak flows are expected to be about twice average on the Beaver, Chicken Creek, Salt Creek and Salina Creek and precautions shoud be taken to protect property near stream channels.

USDA-SCS PORTLAND, OR 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Sevier at Hatch	53	131	Apr-July		41
Sevier nr Circleville	48	152	Apr-July		29
Sevier nr Kingston	32	142	Apr-July		23
Antimony Crk nr Antimony	10.0	137	Apr-July		6.9
East Fork Sevier nr Kingston1/	19.3	127	Apr-July		15.2
Sevier below Piute Dam	50	140	Apr-July		36
Clear Crk nr Sevier (abv Div)	25	140	Apr-July		17.8
Sigurd to Gunnison	40	158	Apr-July		--
Kingston to Vermillion Dam	77	138	Apr-June		56
Vermillion Dam to Gunnison	49	142	Mar-June		35
Salina Creek at Salina	20	172	Apr-June		11.1
Sevier nr Gunnison	70	140	Apr-July		50
Chalk Creek nr Fillmore	20	123	Apr-July	--	16.3
Chicken Creek nr Levan	5.6	182	Apr-July	1.4	3.1
Oak Cr. nr Oak City	1.6	114	Apr-July	0.9	1.4
Ephraim Creek nr Ephraim	21	145	Apr-July		14.5
Pleasant Crk nr Mt. Pleasant	11.1	132	Apr-July		8.4
Salt Creek nr. Nephi	21	172	Apr-July	--	12.2
Beaver nr Beaver	37	182	Apr-July	19.3	20
North Creek (Combined)	23	170	Apr-July	--	13.7b
Minersville Inflow	13.6	206	Apr-June	--	6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	4	191	143
South Fork Sevier	6	192	129
LOWER SEVIER	14	192	137
BEAVER RIVER	3	196	158

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	18.2	18.2	16.5
	Otter Creek	52.5	50.7	52.5	37.3
	Piute	71.8	65.9	70.0	49.9
	Sevier Bridge	236.0	234.0	230.8	146.8
BEAVER RIVER	Minersville (Rky (Fd)	23.3	19.6	23.9	14.9

b - Average of all past record - less than 15 years
+ - 1963-77 15 Year Average Period
e - Estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Sevier River at Hatch	500-700	
Beaver River nr Beaver	300-560	211

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Big Flat	3/26	78	25.4	13.5	16.1
Bryce Canyon	3/31	15	5.4a	2.3	3.1
Castle Valley	3/27	51	15.1	9.9	11.3
Duck Creek	3/27	52	16.0	7.4	11.5
Farnsworth Lake	3/30	78	26.0	14.2	19.5
Gooseberry R.S.	3/30	46	14.7	8.9	12.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Harris Flat	3/27	25	9.7	3.4	6.5
Kimberly Mine	3/25	56	18.9	10.7	15.8
Long Valley Junction	3/27	1	0.4e	0.2	2.7
Merchants Valley Upper	3/26	42	15.2	7.2	9.7b
Midway Valley	3/27	78	24.0	11.9	20.1
Otter Lake	3/26	60	19.8	10.1	12.3
Pickle Keg Springs	3/30	67	22.7	10.9	16.1b
Widtsoe-Escalante #3	3/27	54	15.4	10.4	9.9

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

APRIL 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER increased about 3 to 4 times the March average and now ranges from 96% of average for the Enterprise-New Harmony area to 135% for Parowan Creek. Virgin River is now 107% and Coal Creek 121% of the April 1 average.

PRECIPITATION at mountain stations ranges from 132% of the March average at Yankee Reservoir to 306% at Little Grassey Creek above Enterprise.

SOIL MOISTURE is below average at higher elevations.

RESERVOIR STORAGE in local reservoirs is reported as about average with Gunlock full, Baker about 85% full, Upper Enterprise 1/3 full and Lower Enterprise about 10 feet yet to fill.

STREAMFLOW FORECASTS range from 73% of average for Santa Clara to 125% for Lake Powell Inflow. Coal Creek is forecast 108% of average and Virgin at Hurricane 80% of the April-June average. Water supplies from direct streamflow diversions on the Virgin, Santa Clara and the Enterprise-New Harmony area are still expected to be short by late season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
VIRGIN RIVER					
Virgin nr Hurricane	39	80	Apr-June		48.5
Santa Clara nr Pine Valley	3.0	73	Apr-June		4.1
COAL CREEK					
Coal Creek nr Cedar City	18.0	108	Apr-July		17.0
UPPER COLORADO					
Lake Powell Inflow	8700.0	125	Apr-July		6952

2 - Provisional Flows - Subject to correction

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	4	185	121
VIRGIN RIVER	3	165	107
PAROWAN CREEK	4	192	135
ENTERPRISE - NEW HARMONY	2	153	96

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
COLORADO	Lake Powell	25002.0	19635.0	21593.0	--
	Blue Mesa	829.5	219.9	414.0	

b - Average of all past record - less than 15 years
+ - 1963-77 15 year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Coal Creek nr Cedar City		
Virgin nr Virgin		

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Birch Crossing	3/30	37	10.5	2.7	5.3[b]
Brian Head	3/27	77	24.6	15.1	19.9[b]
Harris Flat	3/27	25	9.7	3.4	6.5
Kolob-Crystal	3/27	77	24.0	13.5	21.8[a]
Little Grassy	3/26	3	0.8	0.0	2.0
Long Flat	3/26	21	6.4	4.7	5.5

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Long Valley Junction	3/27	1	0.4[e]	0.2	2.7
SUSC Ranch	3/30	38	8.3	3.2	6.1[b]
Tall Poles	3/30	62	18.3	8.5	13.8[b]
Webster Flat	3/26	58	18.6	12.4	15.7
Yankee Reservoir	3/27	36	11.4	7.3	9.0

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SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
						CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Water Content (inches) Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	3/27	17	6.1	7.0	6.1	3/27	1.58	--	12.28	12.00[b]	102
CCC Camp	3/30	49	15.4	7.5	13.4						
Hayden Fork	3/27	54	20.0	12.5	15.9	3/27	4.42	--	28.23	20.06[b]	141
Monte Cristo R.S.	3/26	89	32.6	12.3	25.9	3/26	8.22	4.68	34.81	25.95	134
Salt River Summit	3/30	68	21.4	8.8	16.9	3/30	4.62[a]	2.97	25.24[a]	17.23	146
Stillwater Camp	3/27	42	13.1	7.9	11.3[b]	3/27	2.72	--	18.31	12.39	148
Lily Lake	3/27	55	19.1	10.8	--	3/27	3.25	--	21.07	--	--
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	3/26	79	28.9	8.9	20.7[a]	3/26	6.00[a]	--	29.20[a]	--	--
Christensen Ranch	3/25	26	10.9	4.1	7.6						
Cliff Canyon	3/25	43	14.6	4.2	--						
Cub River R.S.	3/25	24	10.2	3.2	6.9						
Daniels Creek	3/25	27	9.8	2.0	--						
Dry Basin	3/25	104	38.5	17.0	30.2						
Dry Creek Flat	3/25	22	9.3	0.9	5.3						
Emigrant Summit	3/31	103	36.7	12.6	26.0						
Emigration Canyon	3/31	48	16.4	5.4	11.1						
Franklin Basin	3/25	94	35.3	14.4	28.2	3/25	5.60[a]	--	40.20[a]	--	--
Garden City Summit	3/25	67	24.0	7.1	18.5	3/25	4.81	3.43	24.22[a]	19.23	126
Horseshoe Basin	3/25	94	35.7	17.3	25.6						
Klondike Narrows	3/25	72	28.6	9.9	20.7	3/25	5.69	4.25[b]	30.26	23.85[b]	127
Liberty Spring	3/25	146	57.6	17.8	39.8						
Little Bear (lower)	3/26	33	14.0	2.2	9.9						
Little Bear (upper)	3/26	41	16.1	6.4	12.9	3/26	8.80[a]	2.91[b]	34.40[a]	18.13[b]	190
Lower Elkhorn	3/25	56	21.8	6.9	14.0[a]						
Oxford Mountain	3/25	41	14.1	5.1	9.5[a]						
Slug Creek Divide	3/29	64	22.3	9.0	18.0						
Steep Hollow #1	3/25	137	51.5	19.0	38.0						
Steep Hollow #2	3/25	96	36.2	14.3	27.0						
Strawberry Creek	3/31	36	12.7	4.9	10.2						
Strawberry Mink Divide	3/25	73	28.8	10.0	21.9						
Tony Grove Lake	3/25	131	49.8	15.5	35.0[a]	3/25	9.00[a]	4.16[b]	52.40[a]	--	--
Tony Grove R.S.	3/25	43	17.6	3.5	11.9	3/25	5.32	2.85[b]	27.92	--	--
Upper Elkhorn	3/25	78	27.0	11.4	19.5[a]						
Willow Flat	3/25	46	19.3	6.6	14.8	3/25	7.11	4.04	34.90	22.89	150
Worm Creek	3/25	59	23.0	11.6	--						
UPPER RAFT RIVER											
One Mile Summit	4/3	33	9.2	5.3	7.6						
Clear Creek Meadows	4/3	112	36.0	18.1	23.6						
George Peak	4/3	116	44.0	--	--						
ViPont	4/3	61	22.0	9.5	15.1						
OGDEN RIVER											
Beaver Creek-Skunk Creek	3/26	44	17.1	4.1	12.0						
Ben Lomond Peak	3/26	137	51.0	18.8	34.1	3.26	7.50[a]	6.17[b]	51.90[a]	47.13[b]	110
Ben Lomond Trail	3/26	61	24.9	8.4	16.2[b]	3/26	12.58	3.76[b]	36.24	28.74[b]	126
Causey Dam	3/26	0	0.0	0.0	--	3/26	5.57	2.31[b]	20.68	14.22	145
Dry Bread Pond	3/26	68	25.1	9.4	18.9	3/26	5.50[a]	3.88[b]	26.30[a]	20.84	126
Sagebrush Flat	3/26	11	4.8	0.0	2.0	3/26	molested	2.28[b]		14.35	

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027.0

† 1958-1972 period

SNOW — PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (inches)	Water Content (inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average †	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT 1 TO DATE This Year	Average †	Percent of Average
GREAT BASIN CONT.											
WEBER RIVER											
Beaver Creek R.S.	3/27	28	11.4	5.4	7.2						
Chalk Creek #1	3/27	86	31.3	16.7	22.4	3/27	4.50[a]	3.40[b]	33.00[a]	17.70	186
Chalk Creek #2	3/27	57	19.5	12.3	15.6	3/27	4.00[a]	3.11[b]	21.80[a]	16.17[b]	135
Chalk Creek #3	3/27	25	9.7	7.2	7.5	3/27	3.51	2.68[b]	19.66	13.94[b]	141
Farmington Canyon (lower)	3/29	77	27.9	17.5	22.4[b]	3/29	11.39	5.23[b]	40.32	27.63	146
Farmington Canyon (upper)	3/29	110	40.4	20.5	30.8[b]	3/29	11.80[a]	--	48.10[a]	--	--
Farmington G.S.	3/29	83	30.7e	16.0		3/29	9.94	5.49[b]		29.01	
Hardscrabble	3/29	65	22.1								
Horse Ridge	3/26	80	30.2	10.6	21.9[b]	3/26	6.11	4.24[b]		23.64	
Kilfoil Creek	3/27	57	19.1	8.0	13.5[b]						
Lost Creek Reservoir	3/27	10	4.4	0.0	2.0[b]			--		--	
Park City Summit	4/2	118	47.8	18.2	--						
Parley's Canyon Summit	3/30	73	23.9	12.0	18.5	3/30	6.62	4.07	31.54	22.55	140
Pine Canyon	3/27	62	23.0	--	--						
Redden Mine (lower)	3/27	65	22.9	12.6	18.0	3/27	6.17	--	29.40	--	
Smith & Morehouse	3/27	43	16.3	9.4	12.9	3/27	4.24	3.04	20.55	17.75	116
Sargeant Lake (A)											
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	3/27	44	16.0	8.4	10.8[a]	3/27	1.10[a]		24.80[a]		
Camp Altamont	3/27	60	27.2	12.6	13.4						
Clear Creek Ridge #1	3/31	73	24.8	10.7	18.2			5.40[b]		21.20[b]	
Clear Creek Ridge #2	3/31	64	20.0	10.0	13.6	3/31	5.16	2.71[b]	21.32	16.06[b]	138
Clear Creek Ridge #3	3/31	22	8.6	1.6	5.2						
Dutchman R.S.	3/27	71	28.4	13.0	15.4	3/27	8.35	3.07[b]	molested	20.82	
Hobble Creek Summit	4/1	53	19.1	7.6	12.9	4/1	6.85	2.70	molested	17.19	
Payson R.S.	3/25	67	24.7	10.1	18.4	3/25	5.10[a]	2.90	25.30[a]	17.95	141
Soapstone R.S.	3/27	43	16.2	8.6	11.6	3/27	3.76	2.40	23.78	16.22	147
South Fork R.S.	3/25	22	9.6	4.8	3.2						
Timpanogos Cave Camp	3/25	2	1.2	0.0	0.6						
Timpanogos Divide	3/27	99	38.6	17.2	23.5	3/27	13.20	3.36	39.35	25.09	157
Trial Lake	3/27	95	35.5	16.3	23.5	3/27	6.84	3.77	37.24	23.84	156
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin				10.8	11.5						
Lamb's Canyon #2	3/30	67	23.1	10.5	--	3/30	5.88	--	30.80[a]		
Middle Canyon	3/27	35	14.2	11.4	14.1	3/27	6.40	3.39	27.80	15.92	175
Mill Creek	3/31	77	26.8	16.6	--						
Mill D South Fork	3/31	76	28.4	13.1	19.9						
Rock Basin-Settlement				21.7	27.1			--		24.01[b]	
Silver Lake (Brighton)	3/31	106	38.1	16.3	24.9			4.80		27.18	
Snow Bird (Gad Valley)				21.2	--						
Vernon Creek	3/27	36	11.5	7.2	11.2[a]	3/27	5.95	2.51[b]	23.22	15.27	152
Desert Peak				22.2	--						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)											
Black's Fork G.S.-East Fork	3/27	43	12.5	7.3	9.0	3/27	2.45	2.43	16.40	11.94	137
Black's Fork Junction	3/27	40	11.4	7.2	9.2	3/27	2.30	2.25	15.92	11.62	137
Buck Pasture (A)											
Burnt Creek	3/31	20	5.6	5.0	--	3/31	2.30	1.51[b]	11.70	8.83[b]	133
Grizzly Ridge	3/31	39	10.4	7.2	--	3/31	5.10	2.23[b]	17.50	12.78	137
Hewinta G.S.	3/27	42	12.5	8.0	9.4	3/27	3.50	2.50	17.23	12.56	137
Hickerson Park	3/28	28	7.5	8.3	5.9[b]	3/28	1.84	1.76[b]	9.79	9.41[b]	104
Hole-in-the Rock	3/29	24	6.5[a]	6.5	5.0						
Hole-in-the Rock G.S.	3/29	4	1.4[a]	4.5	1.4						
Middle Beaver Creek	3/29	15	3.9	3.6	4.5						
King's Cabin (upper)	3/28	48	13.4	8.4	9.8	3/28	4.34	1.90	15.94	11.14	143
Reynolds Park (A)											
Spirit Lake	3/28	56	17.0	14.7	12.1	3/28	4.45	2.57[b]	19.21	13.61[b]	141
Steel Creek Park	3/27	66	20.6	13.6	15.6	3/27	2.90	2.75[b]	20.90[a]	20.85[b]	100
Trout Creek	3/28	46	13.0	8.4	--	3/28	4.43	--	13.35	--	--
Henrys Fork (A)											

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† 1958-1972 period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches) CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
DUCHESNE RIVER											
Atwood Lake (A)											
Brown Duck Ridge	3/28	85	26.3	14.6	17.4[a]	3/28	5.22	3.41[b]	27.32	20.70[b]	132
Chepeta	3/28	61	17.6	12.5	--	3/28	5.60[a]	--	20.20[a]	--	--
Currant Creek	4/1	43	12.7	0.3	7.7	4/1	7.35	2.14[b]	25.66	13.79[b]	186
Daniels-Strawberry Summit	4/1	58	20.1	7.6	13.7	4/1	4.63	2.68	27.28	17.81	153
East Portal	3/31	48	18.0	9.0	10.9	3/31	5/34	2.51[b]	27.59	16.73	165
Five Points Lake (A)											
Indian Canyon	3/31	58	17.7	9.5	12.0	3/31	4.55	1.91	20.52	12.78	161
Jackson Park	3/28	63	16.8	12.4	11.5[b]	3/28	4.52	--	28.85	12.68	228
Lakefork Basin (A)											
Lakefork Mountain #1	3/28	53	14.7	9.9	10.6	3/28	4.80	2.08	18.88	12.62	150
Lakefork Mountain #3	3/28	25	8.2	4.9	5.3						
Lightning Lake (A)											
Mosby Mountain	3/28	47	13.3	8.4	8.6	3/28		1.47[b]	23.76	12.00	198
Paradise Park	3/28	66	20.6	14.1	11.8	3/28	6.49	1.78[b]	22.04	13.05	169
Rock Creek Ranch	3/28	26	8.6	5.8	5.8	3/28	3.70	--	16.73	11.04	152
Strawberry Divide	3/31	75	26.0	13.6	18.5	3/31	6.40[a]	--	42.80[a]	--	--
PRICE RIVER											
Dry Valley Divide Alternate	3/31	42	13.4	2.5	--						
Mud Creek	3/31	65	20.0	7.8	12.3	3/31	3.00	2.56	20.90[a]	14.25	147
White River #1	3/31	55	18.3	8.0	12.8	3/31	4.48	2.14	21.87	13.22	165
White River #3	3/31	32	12.0	0.6	6.1						
SAN RAFAEL RIVER											
Buck Flat	3/30	82	28.2	9.8	15.4	3/30	6.55[a]	2.71	28.50[a]	17.21	166
Huntington-Horseshoe	3/31	86	31.4	17.1	22.7						
Orange Olsen	3/31	21	7.5	0.0	--	3/31	2.63	1.01[b]	13.01	7.40	176
Red Pine Ridge	3/31	73	23.7	9.1	16.5	3/31	4.91	3.54	29.67	19.79	150
Seeley Creek R.S.	3/31	66	22.4	8.4	16.0	3/31	6.70[a]	--	23.30[a]	--	
Stuart R.S.	3/31	39	13.2	1.1	6.5	3/31	3.48	--	16.66	11.62	143
Upper Joe's Valley	3/31	46	14.6	4.3	9.5						
Wrigley Creek	3/30	56	17.4	7.2	10.1						
MUDDY RIVER											
Black's Fork	3/30	66	21.2	8.8	12.6						
Dill's Camp	3/30	66	20.6	5.8	11.4	3/30	4.93	--	25.80	14.40[b]	179
FREMONT RIVER											
Black's Flat-U.M. Creek	3/29	48	15.3	7.1	10.4	3/29	3.50	2.46[b]	17.10	12.10[b]	141
Fish Lake	3/28	33	11.3	5.6	7.0	3/28	2.71	1.68	13.21[a]	9.18	144
Johnson Valley	3/29	36	9.6	3.0	6.1						
Donkey Reservoir	3/28	35	10.0	6.9	6.9						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	3/27	34	11.0	7.8	11.7	3/27	4.30	2.96	17.85	18.14	98
Camp Jackson	3/27	36	10.5	7.7	10.8	3/27	4.50	2.51	16.55	16.78	99
LaSal Mountain (lower)	3/26	28	8.6	9.4	8.6						
LaSal Mountain (upper)	3/26	53	17.1	16.4	15.3	3/26	3.70	3.14	19.73	14.18	139
Monticello City Park	3/26	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	3/28	55	16.6	7.9	12/9	3/28	4.20	2.79	19.65	13.89	141
Bryce Canyon	3/31	15	5.4[a]	2.3	3.1						
Castle Valley	3/27	51	15.1	9.9	11.3	3/27	6.44	2.77	18.75	13.89	135
Duck Creek R.S	3/27	52	16.0	7.4	11.5	3/27	7.90	3.28[b]	23.65	16.53	143
Farview	4/1	34	11.2[a]	5.6	--						
Harris Flat	3/27	25	9.7	3.4	6.5	3/27	3.90[a]	--	15.40[a]	--	--
Kimberly Mine	3/25	56	18.9	10.7	15.8	3/25	4.81	3.79[b]	24.12	18.17	133
Midway Valley	3/27	78	24.0	11.9	20.1	3/27	10.80[a]	3.71[b]	27.20[a]	19.17[b]	142
Panguitch Lake	3/27	14	4.4	2.6	2.9	3/27	2.70	1.38	11.69	7.89	196
Rainbow Point	4/1	33	9.6[a]	3.8	--						
Squaw Springs	3/28	36	10.0	3.7	6.6						

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† 1958-1972 period

SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	SNOW: THIS YEAR Date of Survey	Snow Depth (Inches)	Water Content (Inches)	SNOW: PAST RECORD Water Content (inches) Last Year	Average †	PRECIPITATION: CURRENT INFORMATION Date of Reading	Month's Precipitation	Average †	FROM APPROX. OCT 1 TO DATE This Year	Average †	Percent of Average
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	3/30	41	14.6	3.2	10.6	3/30	4.31	2.41	21.13	13.07	162
Farnsworth Lake	3/30	78	26.0	14.2	19.5	3/30	7.90[a]	4.33	27.56[a]	19.56	141
G.B.R.C. Headquarters	3/31	65	20.7	12.2	15.8	3/31	5.23	4.08	25.11	18.29	137
G.B.R.C. Majors	3/31	12	3.8[a]			3/31	3.37	1.56[b]	14.59	8.51	171
G.B.R.C. Meadows	3/31	100	34.2	17.2	22.4	3/31	9.90[a]	4.10	34.63[a]	21.67	160
G.B.R.C. Oaks								2.17		11.87	
Gooseberry R.S.	3/30	46	14.7	8.9	12.0	3.30	4.30	3.04[b]	19.28	12.91[b]	149
Mammoth-Cottonwood Creek	3/31	84	29.2	12.9	20.3	3.31	4.00[a]	--	32.40[a]	--	--
Mt. Baldy R.S.	3/30	100	34.7	16.4	21.8			3.14		16.90	
Oak Creek	3/25	39	11.9	8.4	11.5[b]	3/25	4.74	--	21.88	13.78[b]	159
Pickle Keg Springs	3/30	67	22.7	10.9	16.1[b]	3/30	6.20[a]	--	26.70[a]	--	--
Pine Creek	3/25	52	18.8	9.4	15.2	3/25	6.41	4.94	28.99	23.47	124
Ree's Flat	3/25	48	17.1	9.3	12.2	3/25	3.68	--	21.95	--	
Shingle Mill	3/31	28	9.4	7.4	8.4	3/31	5.95	3.10	22.17	15.68	141
Gooseberry Reservoir				0.0	--	3/31	7.23	3.60	30.89	21.71	142
Middle Fork	3/31	98	31.6	18.7	23.4						
Thistle Flat	3/31	66	22.2	11.4	15.9						
BEAVER RIVER											
Beaver Canyon Power House								1.72		8.53	
Beaver Race Track	3/31	0	0.0	--	--						
Big Flat	3/26	78	25.4	13.5	16.1	3/26	6.42	3.00	25.42[a]	15.53	164
Merchant's Valley (upper)	3/26	42	15.2	7.2	9.7[b]	3/26	5.61	2.96[b]	19.17	14.25	135
Otter Lake	3/26	60	19.8	10.1	12.3						
PAROWAN CREEK											
Birch Crossing	3/30	37	10.5	2.7	5.3[b]						
Brian Head	3/27	77	24.6	15.1	19.9[b]						
Tall Poles	3/30	62	18.3	8.5	13.8[b]	3/30	7.80	3.02[b]	20.30	14.89[b]	136
Yankee Reservoir	3/27	36	11.4	7.3	9.0	3/27	3.61	2.73[b]	17.26	12.13	142
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	3/26	3	0.8	0.0	2.0	3/26	6.61	2.16	13.93	14.49	96
Long Flat	3/26	21	6.4	4.7	5.5	3/26	5.01	2.40	12.60	11.63	108
COAL CREEK											
Cedar City Golf Course	3/30	0	0.0	0.0							
SUSC Ranch	3/30	38	8.3	3.2	6.1[b]						
ESCALANTE RIVER											
Widtsoe-Escalante #3	3/27	54	15.4	10.4	9.9	3/27	4.07	2.40	16.28	12.07	135
VIRGIN RIVER											
Kolob-Crystal	3/27	77	24.0	13.5	21.8[a]	3/27	9.60[a]	--	24.60[a]	--	
Long Valley Junction	3/27	1	0.4[e]	0.2	2.7						
Webster Flat	3/26	58	18.6	12.4	15.7	3/26	9.16	4.00	25.54	19.15	133

a - Partly Estimated
b - Average of past record in average period + less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

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† 1958-1972 period

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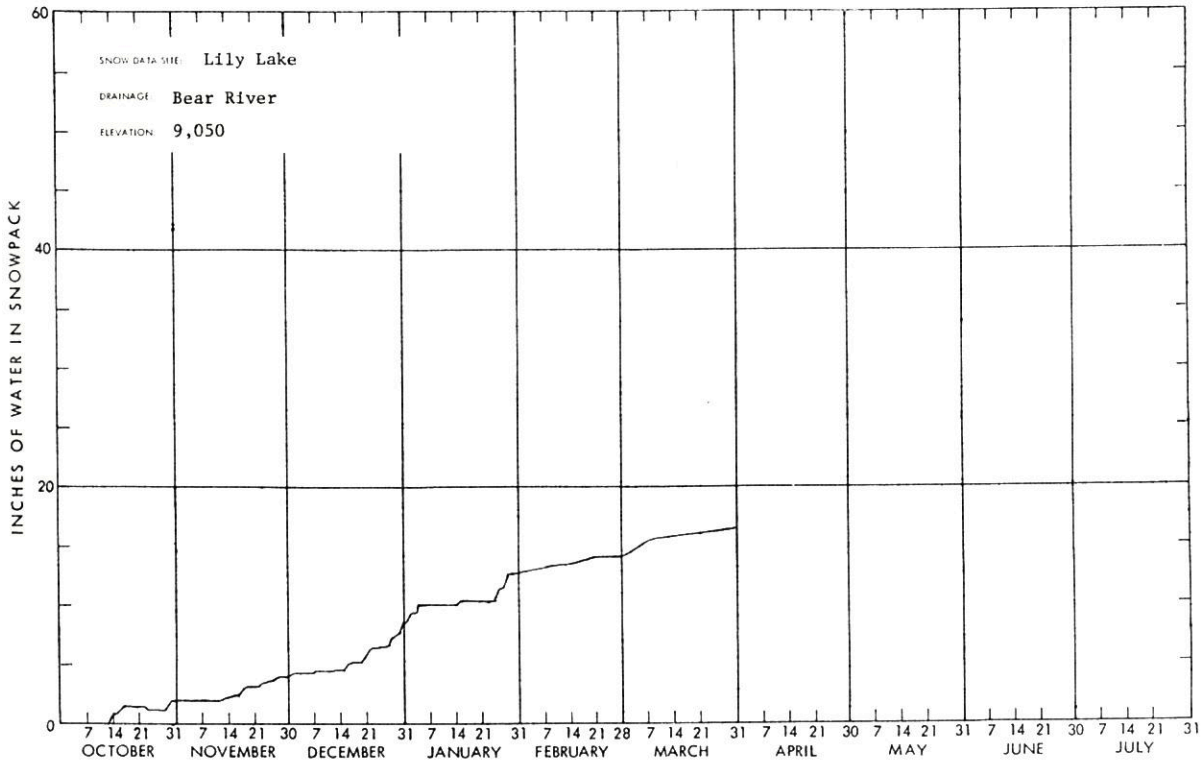

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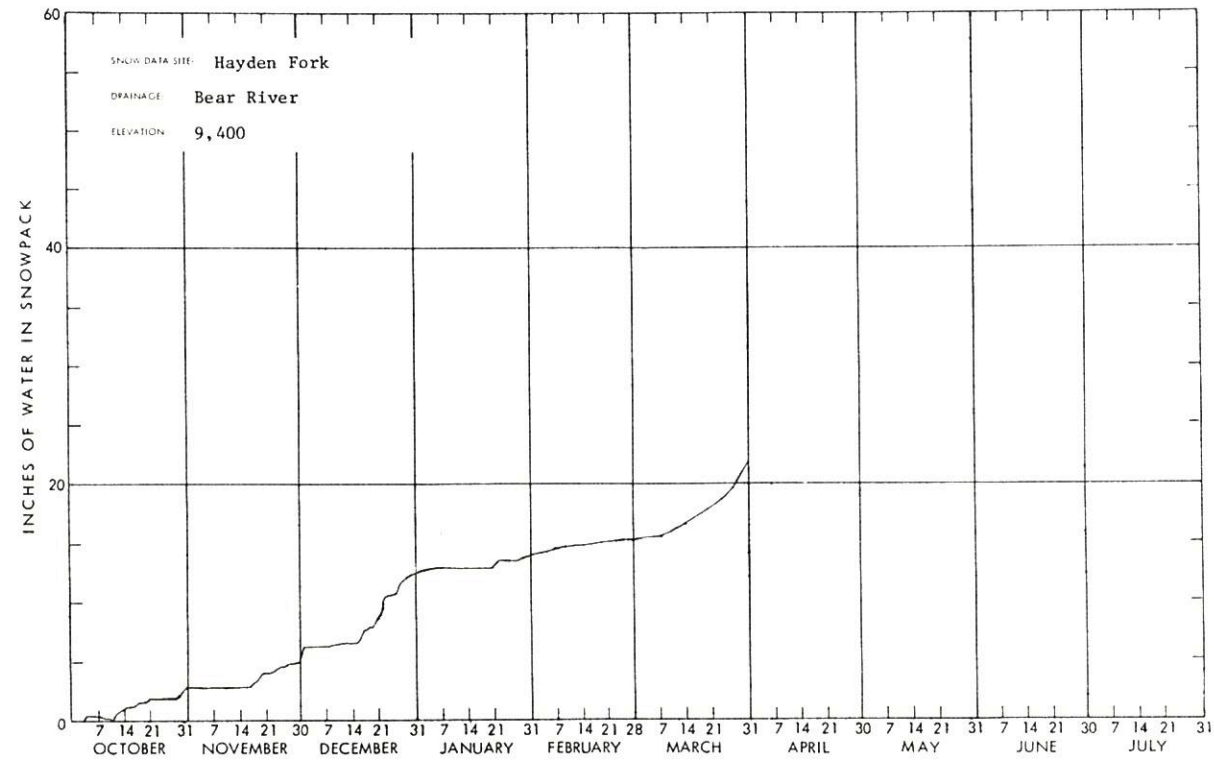

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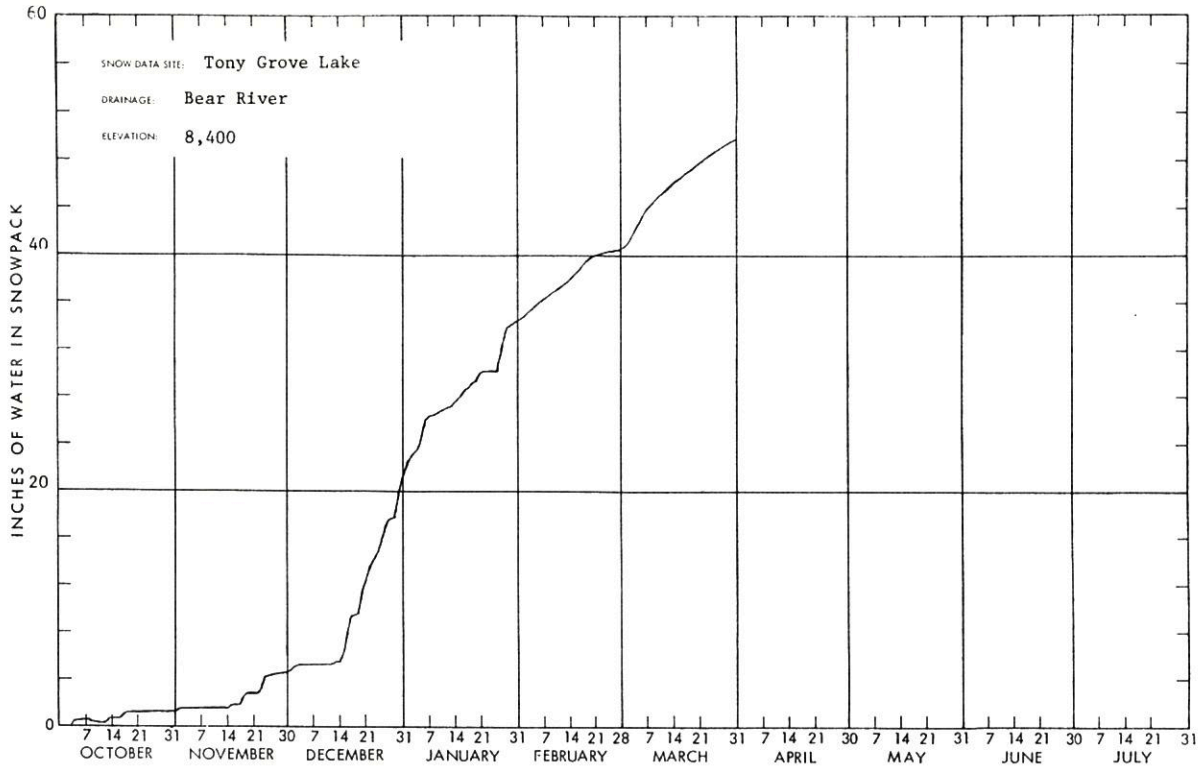

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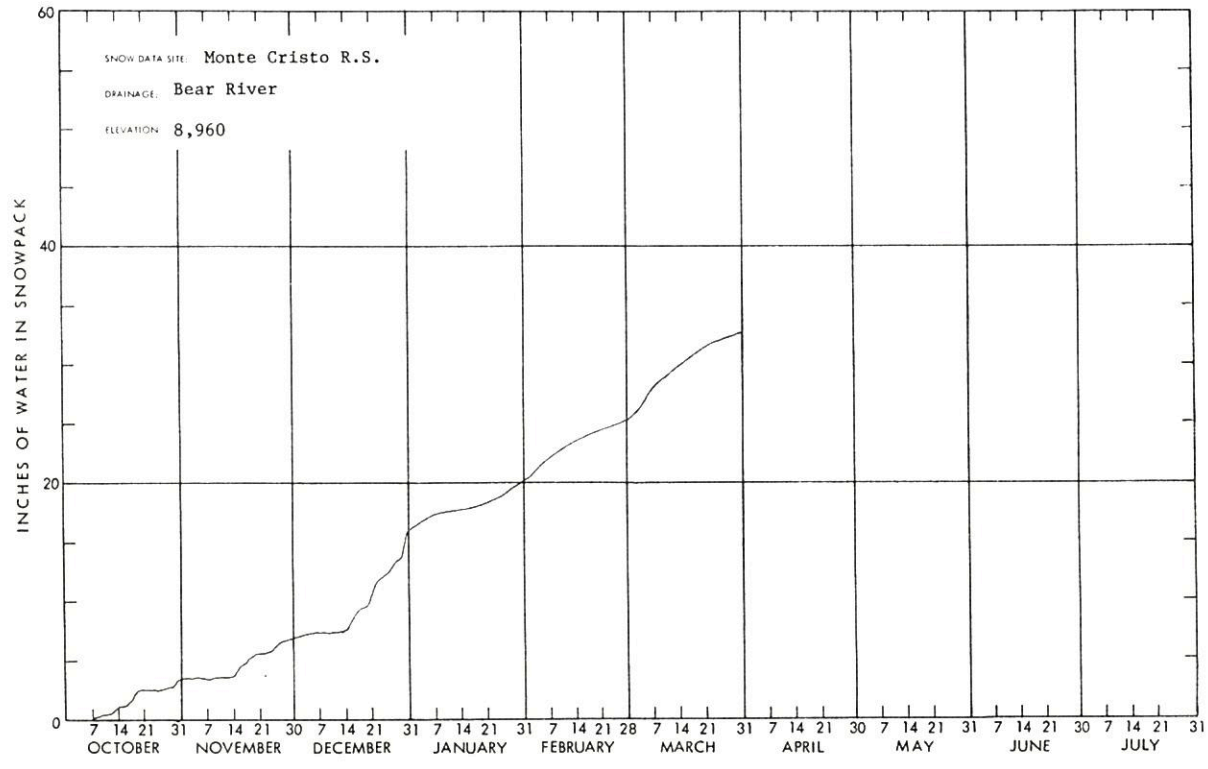

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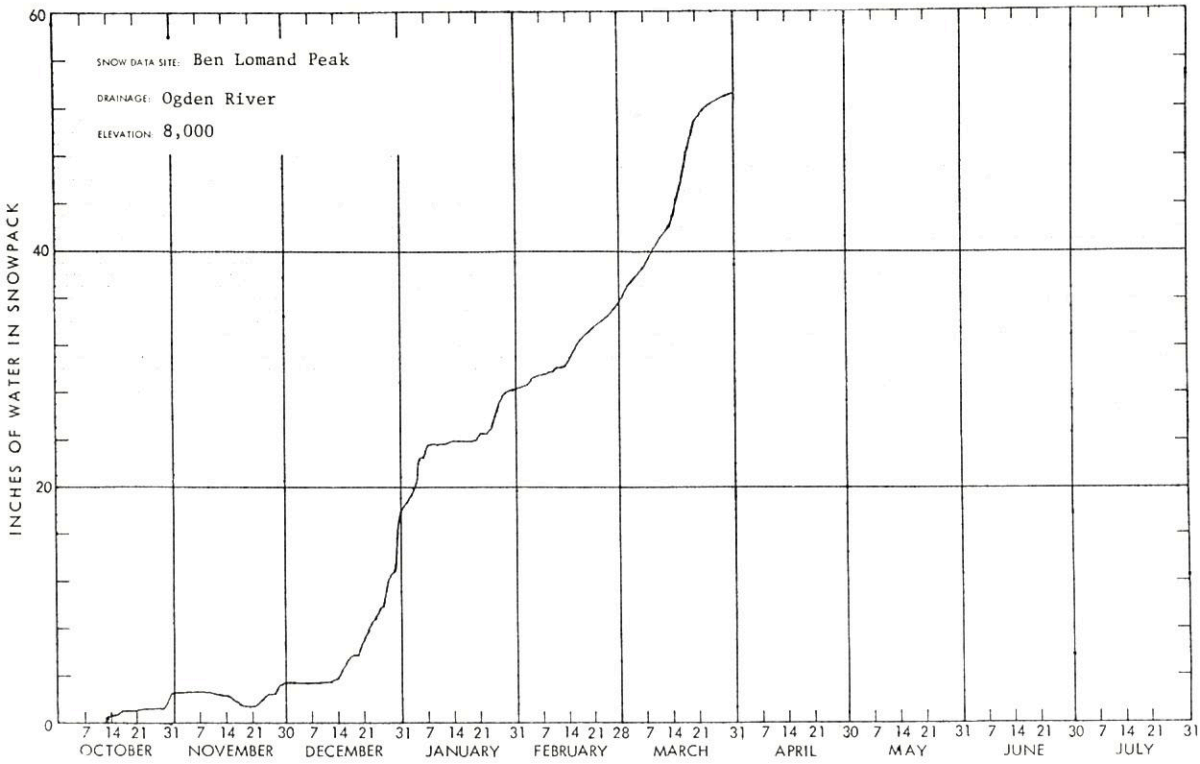

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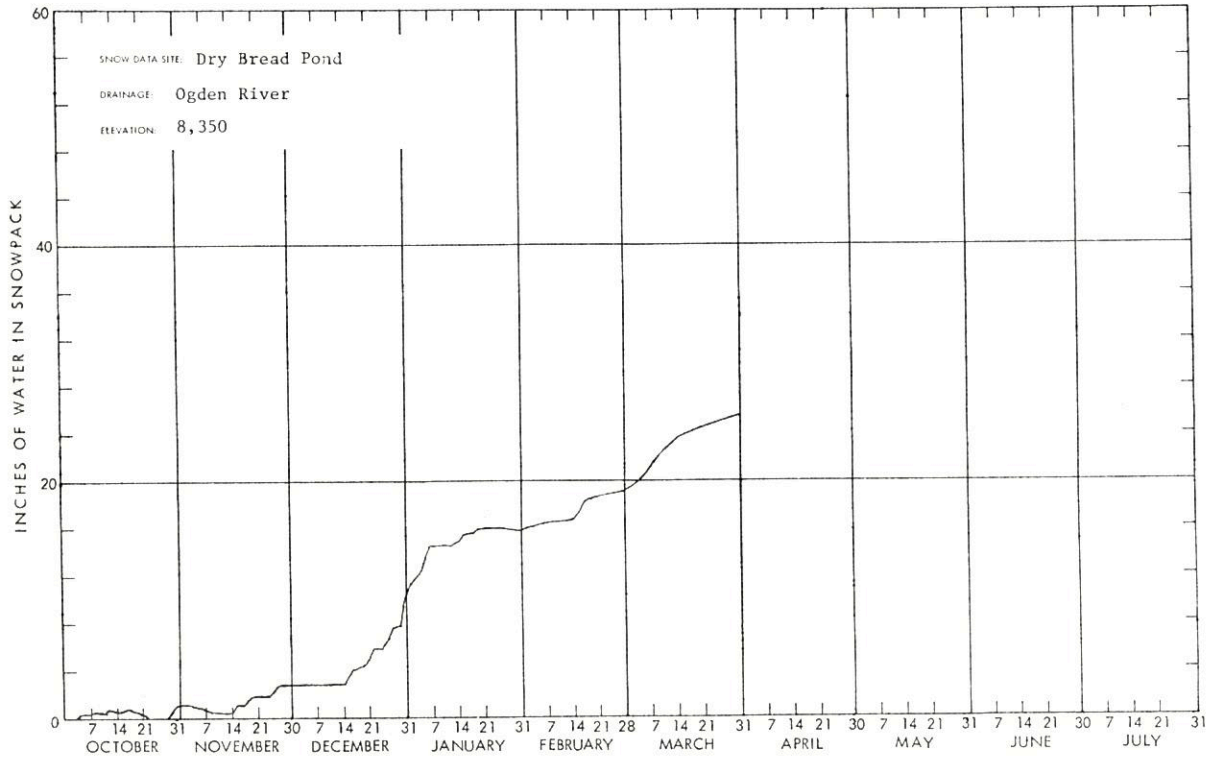

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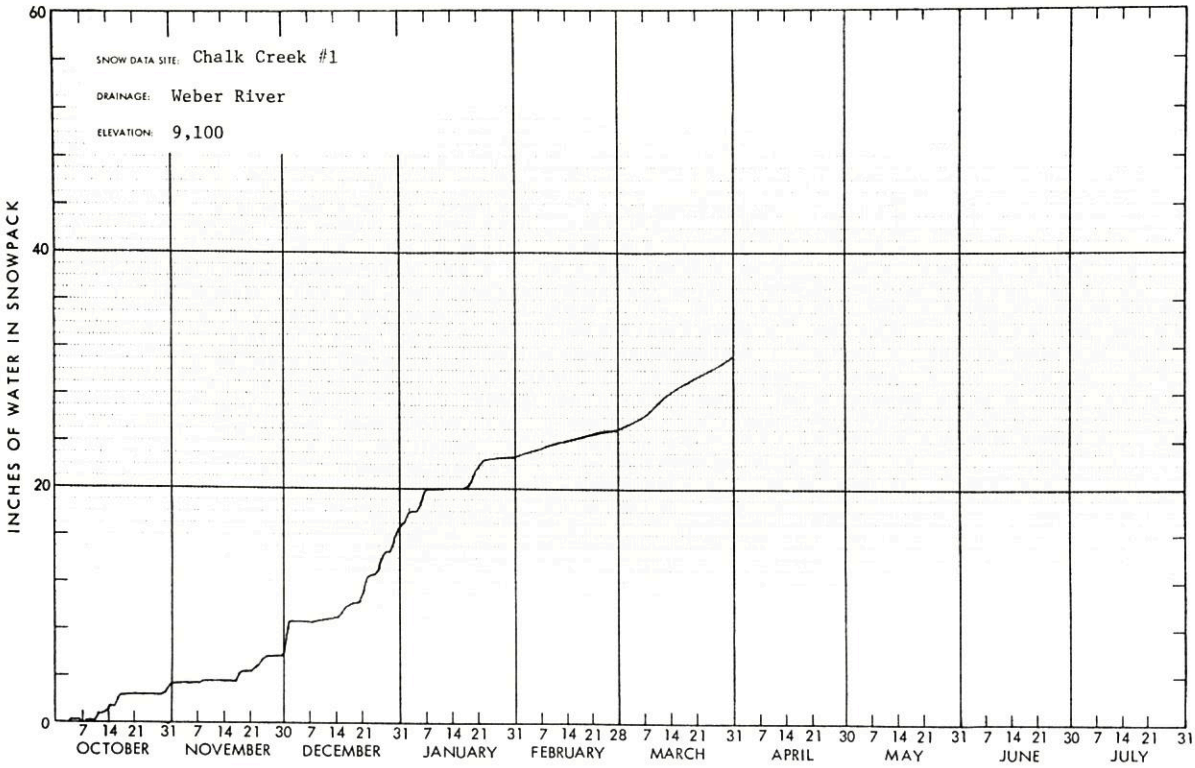

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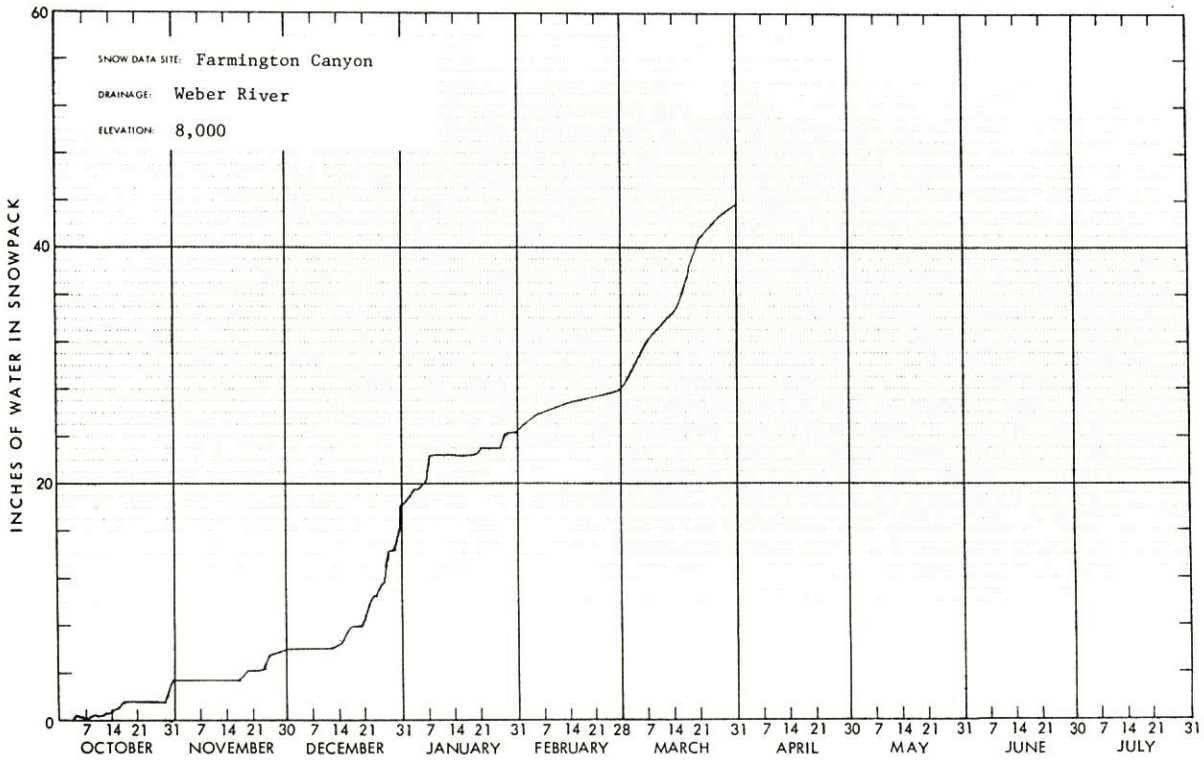

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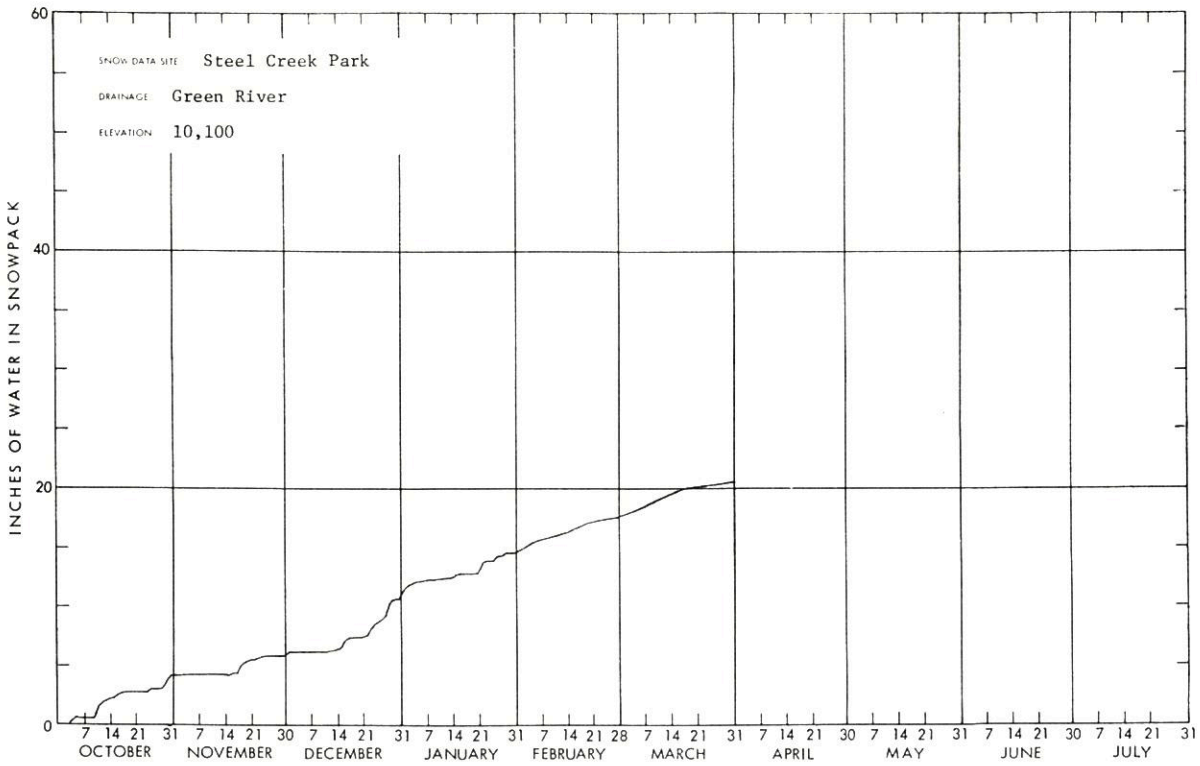

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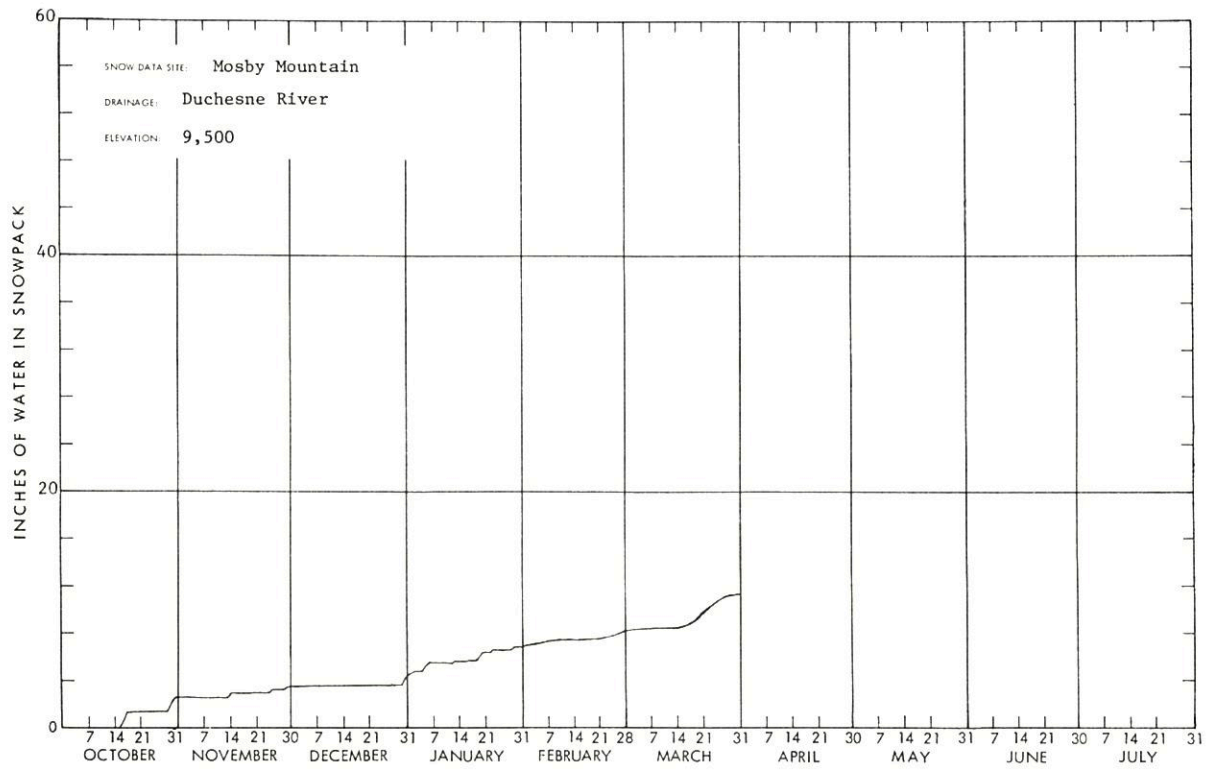

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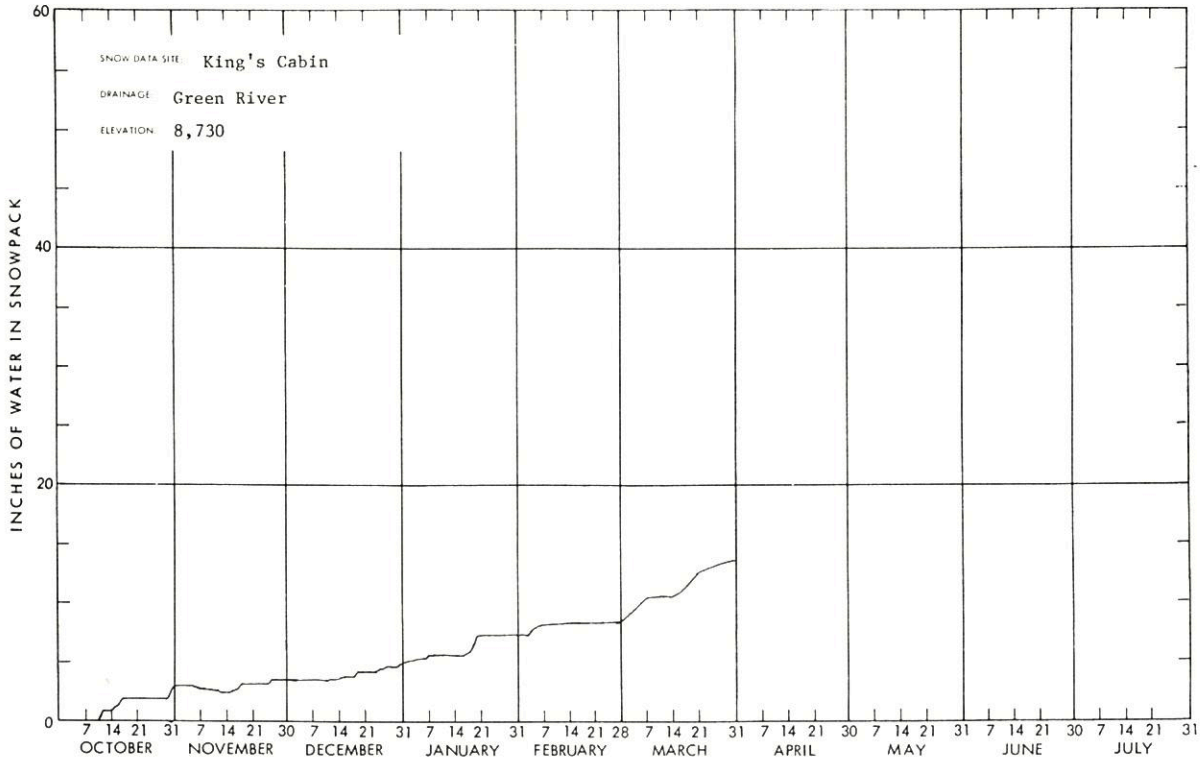

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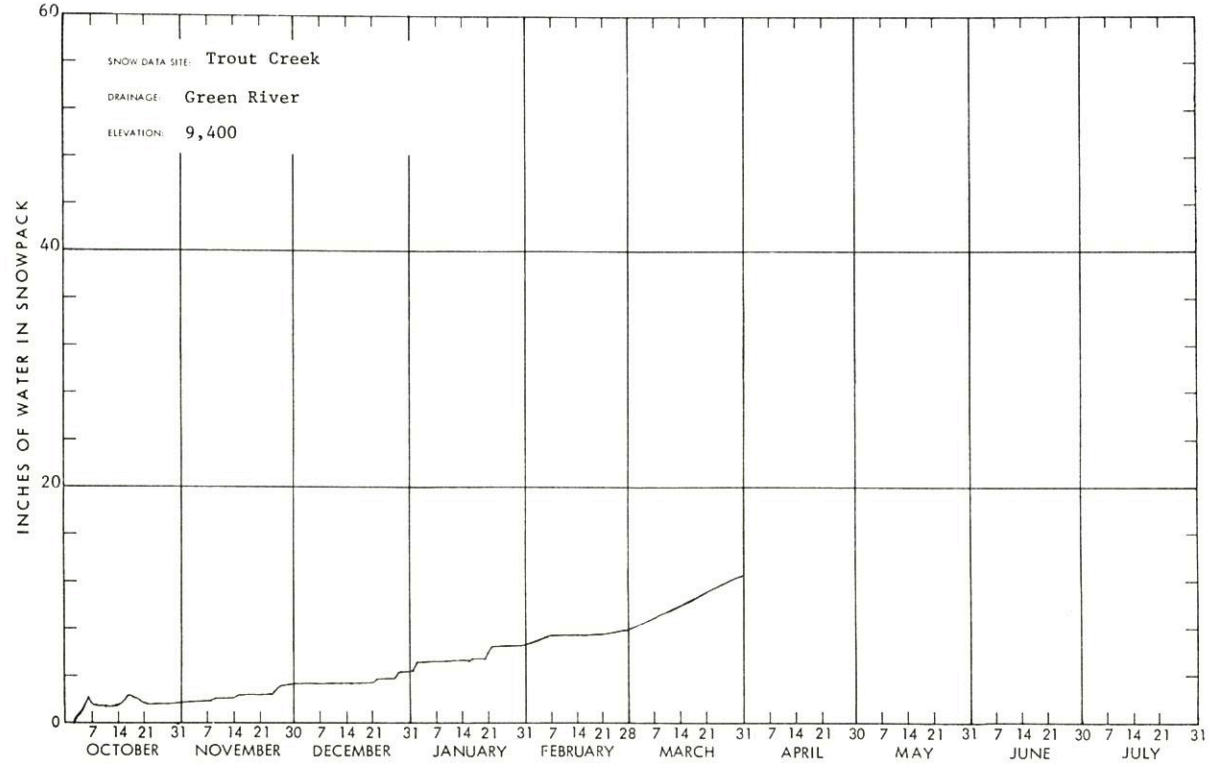

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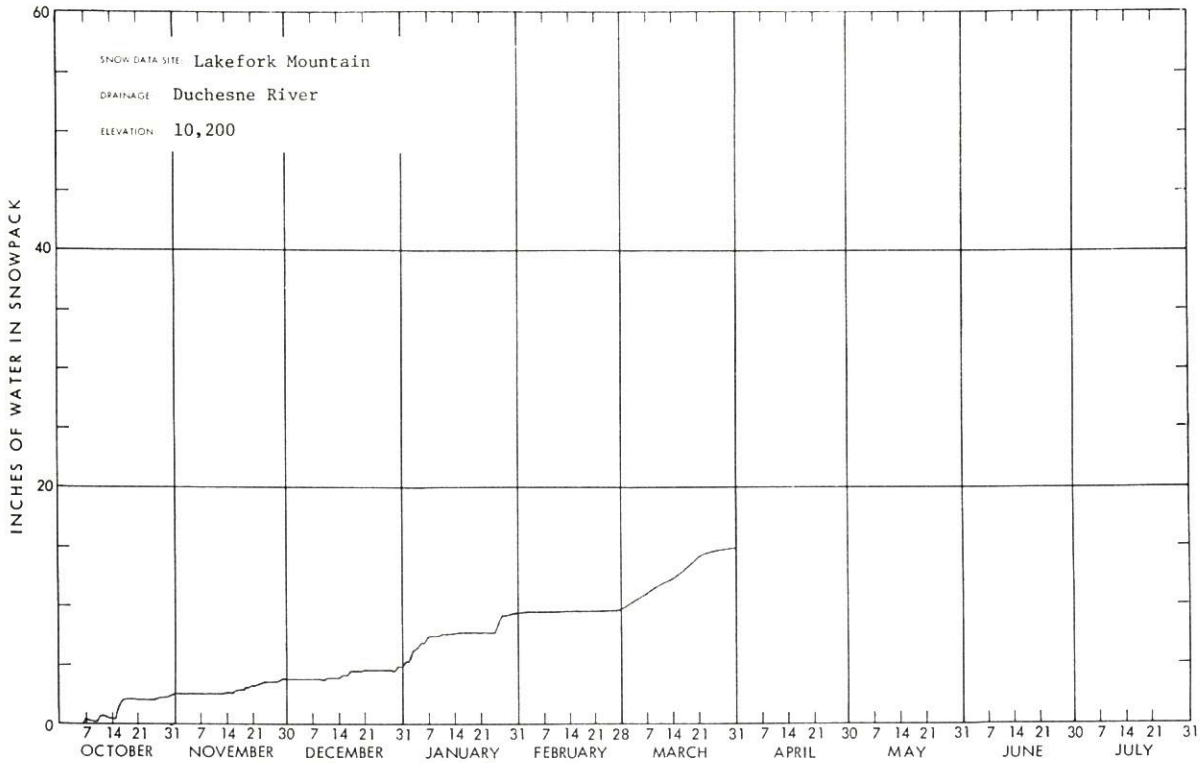

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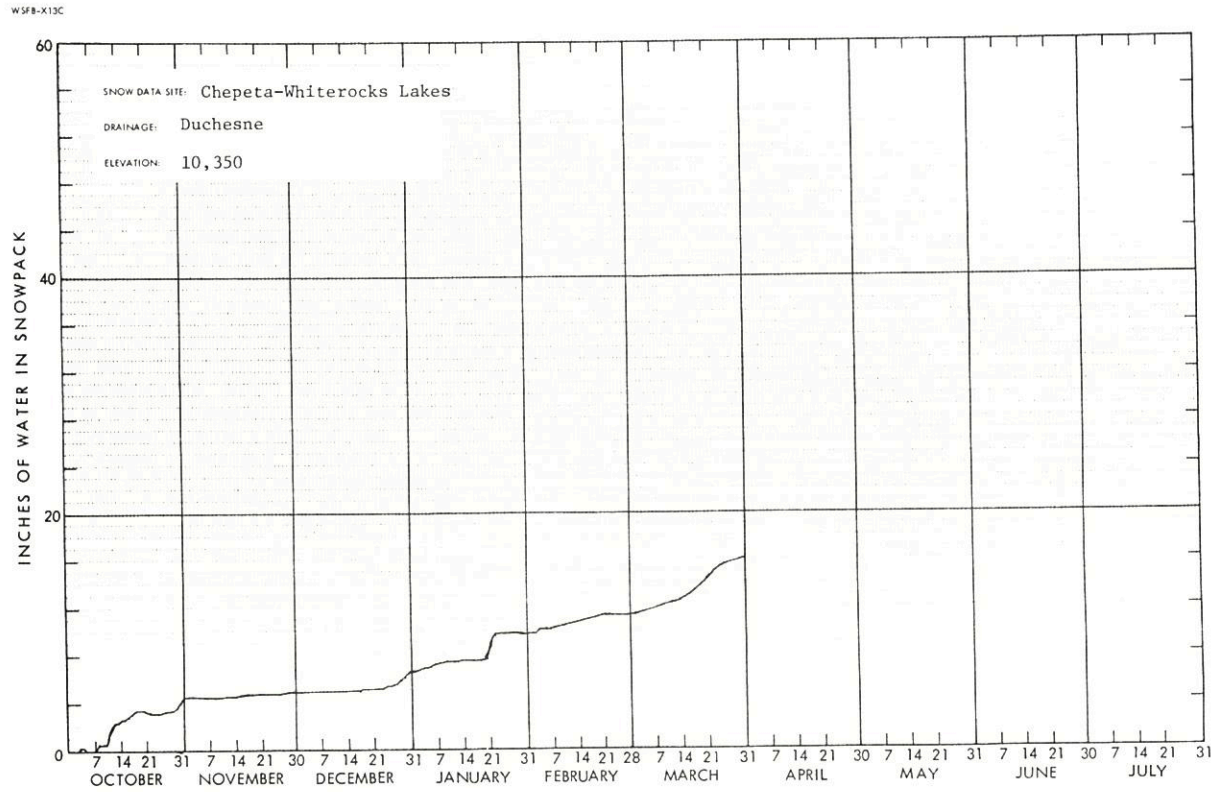

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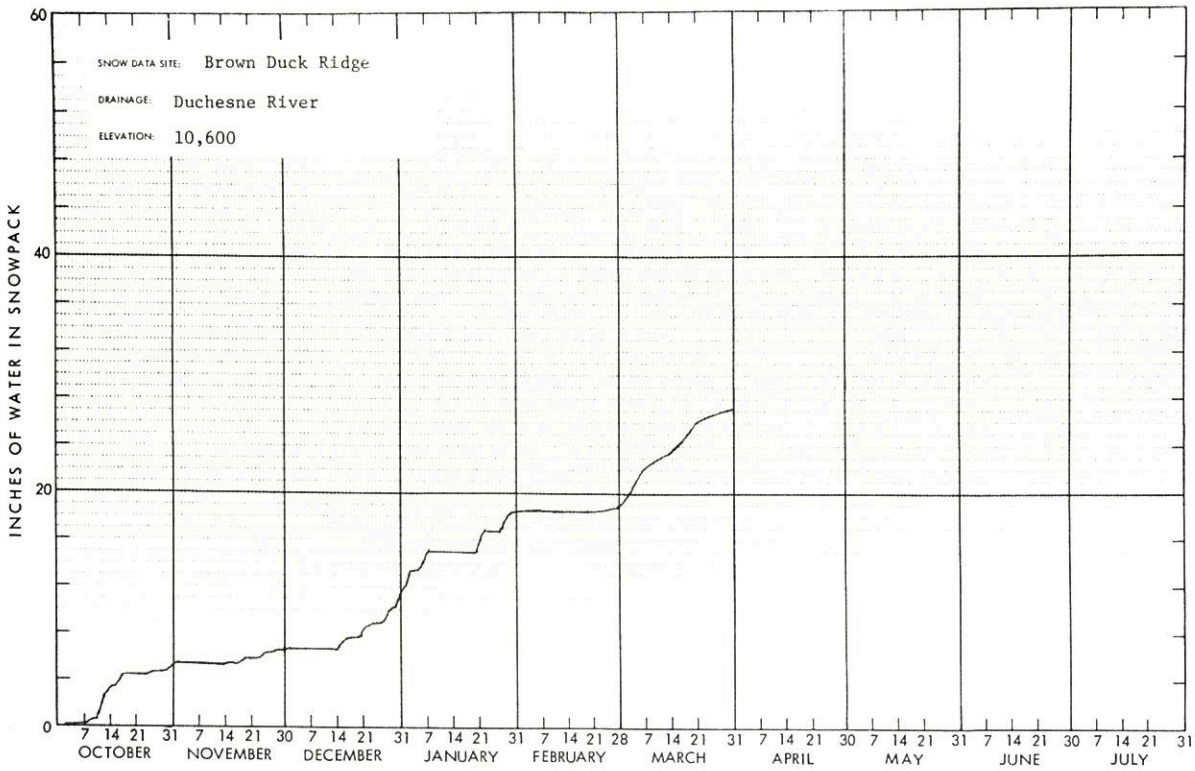

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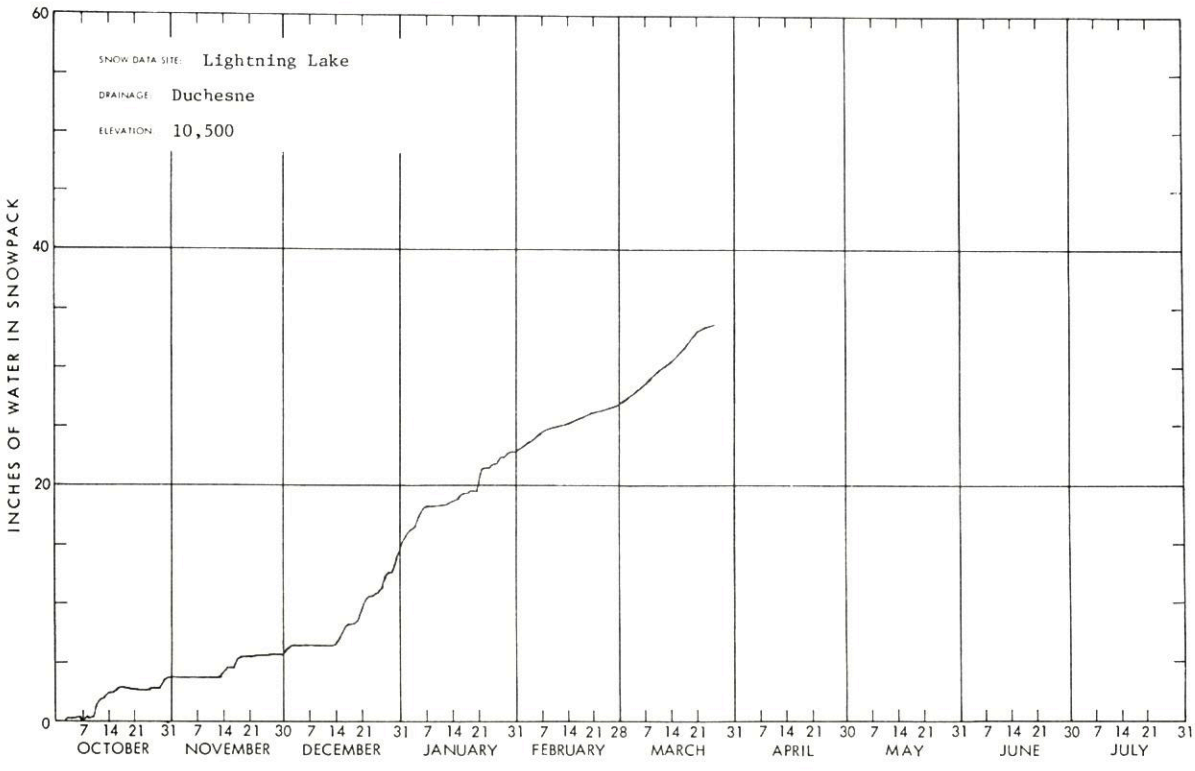

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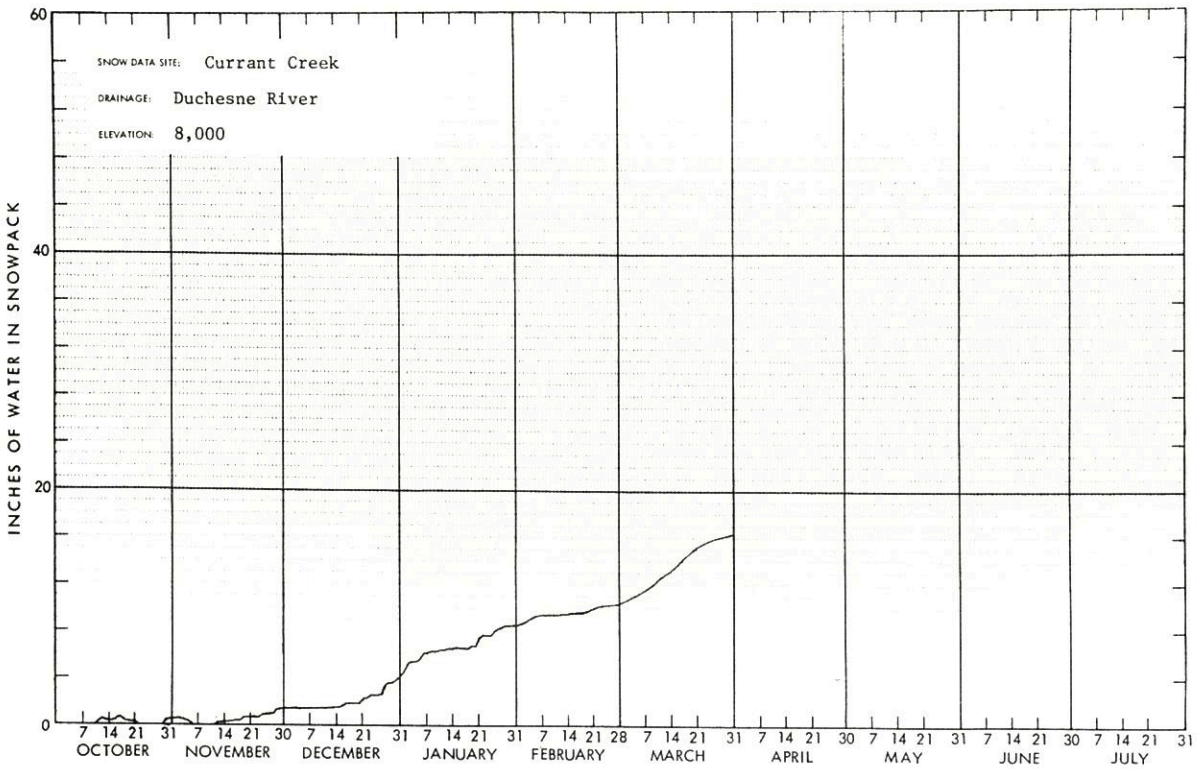

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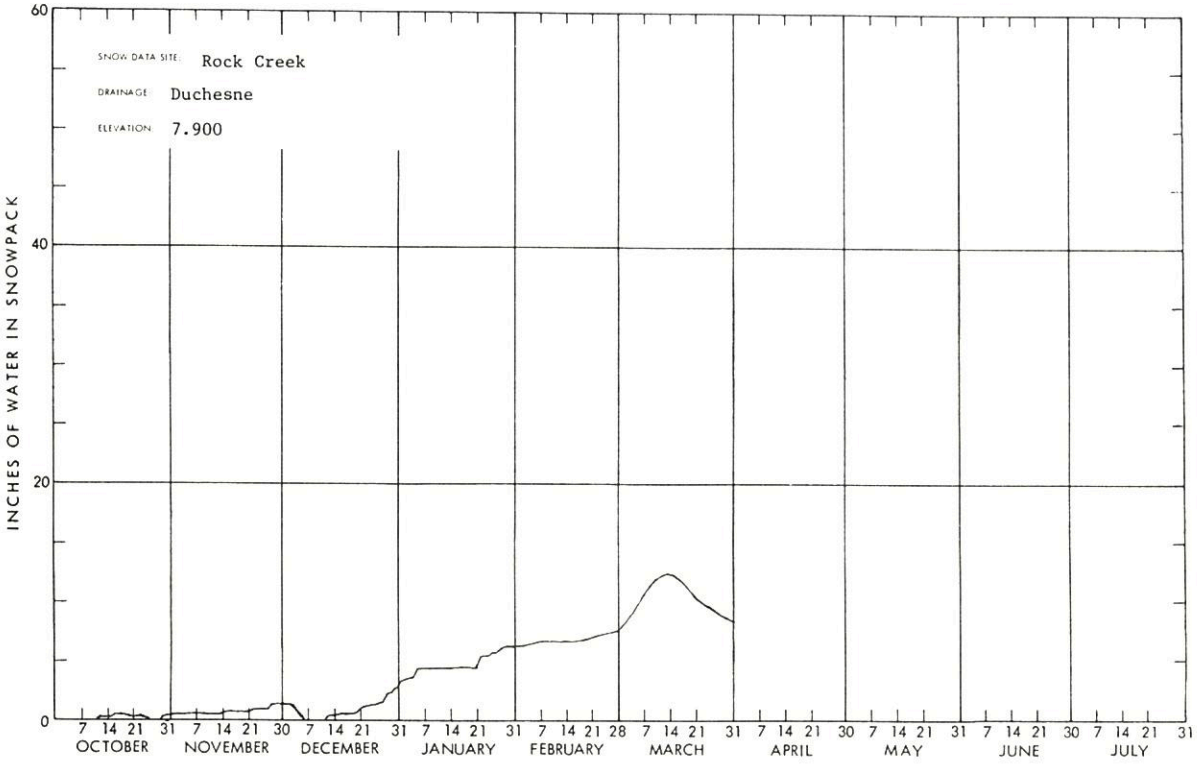

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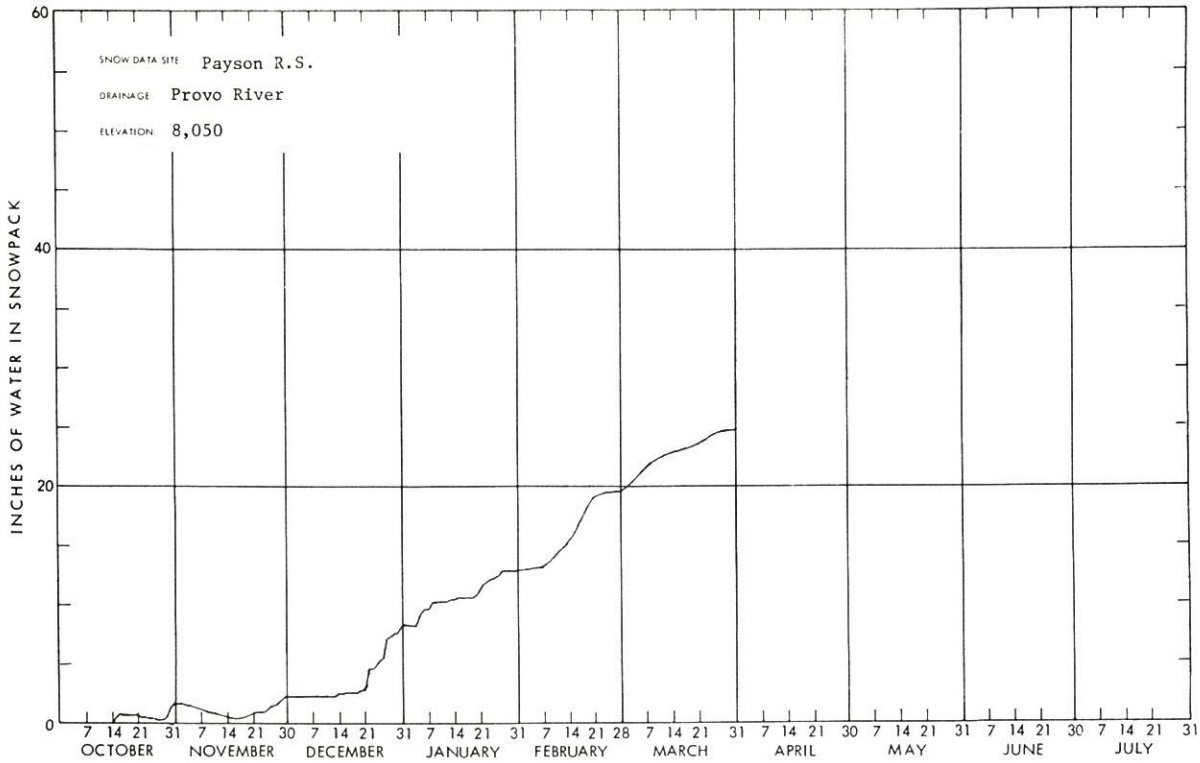

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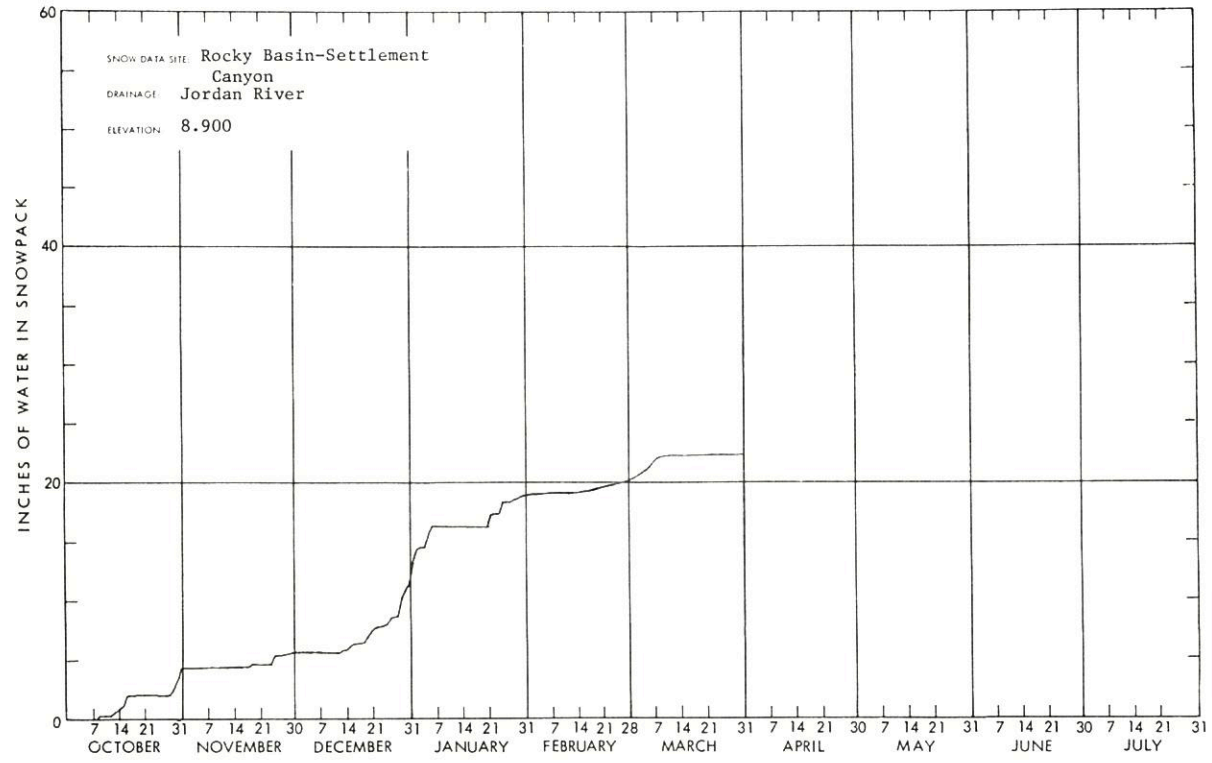

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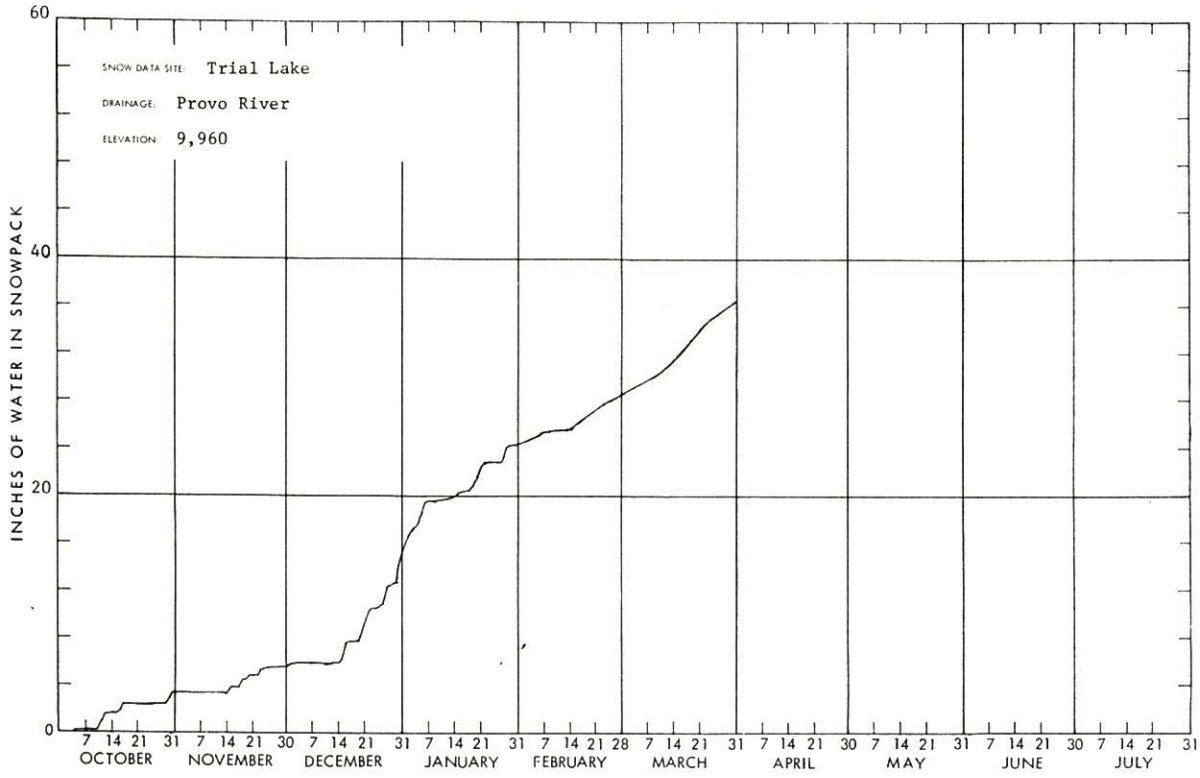

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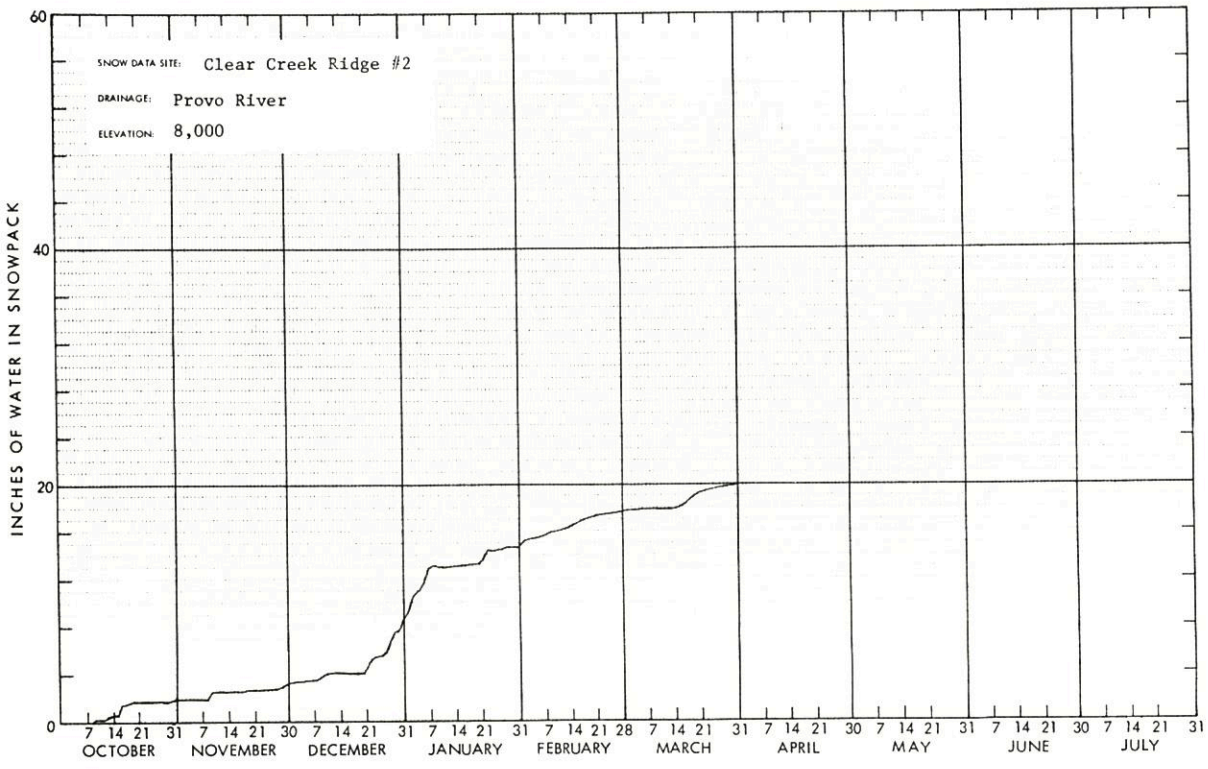

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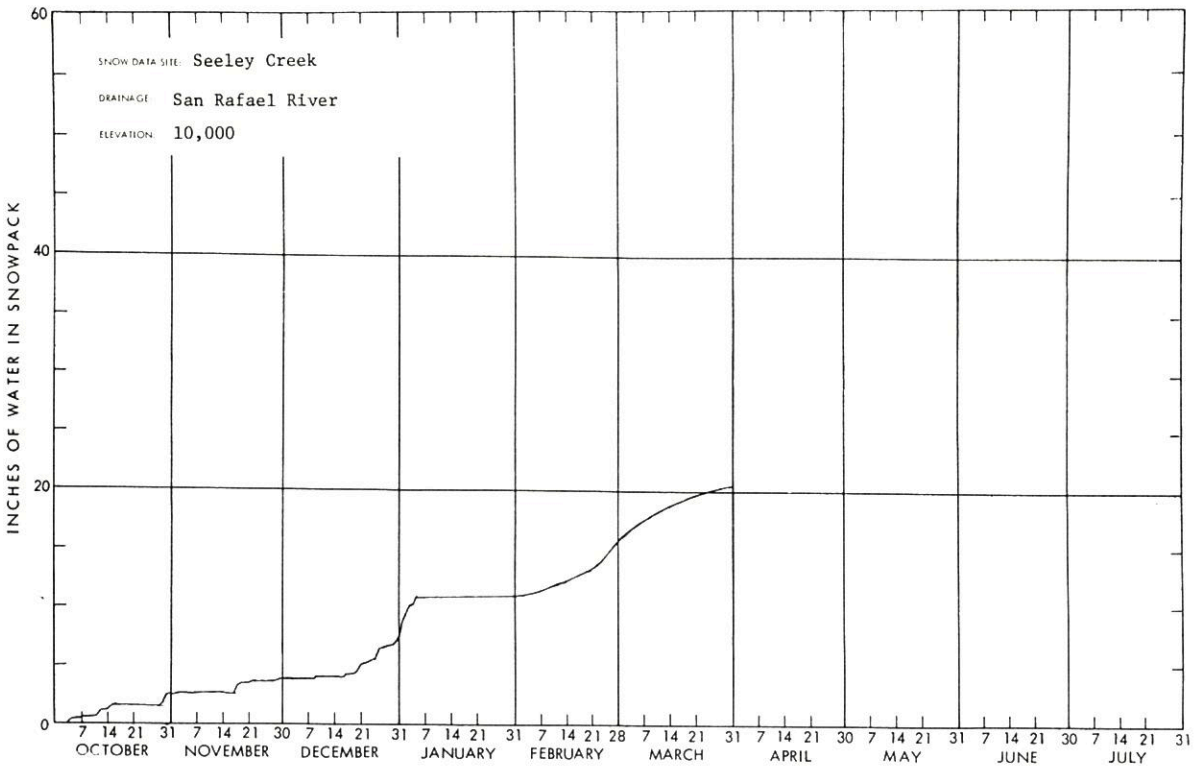

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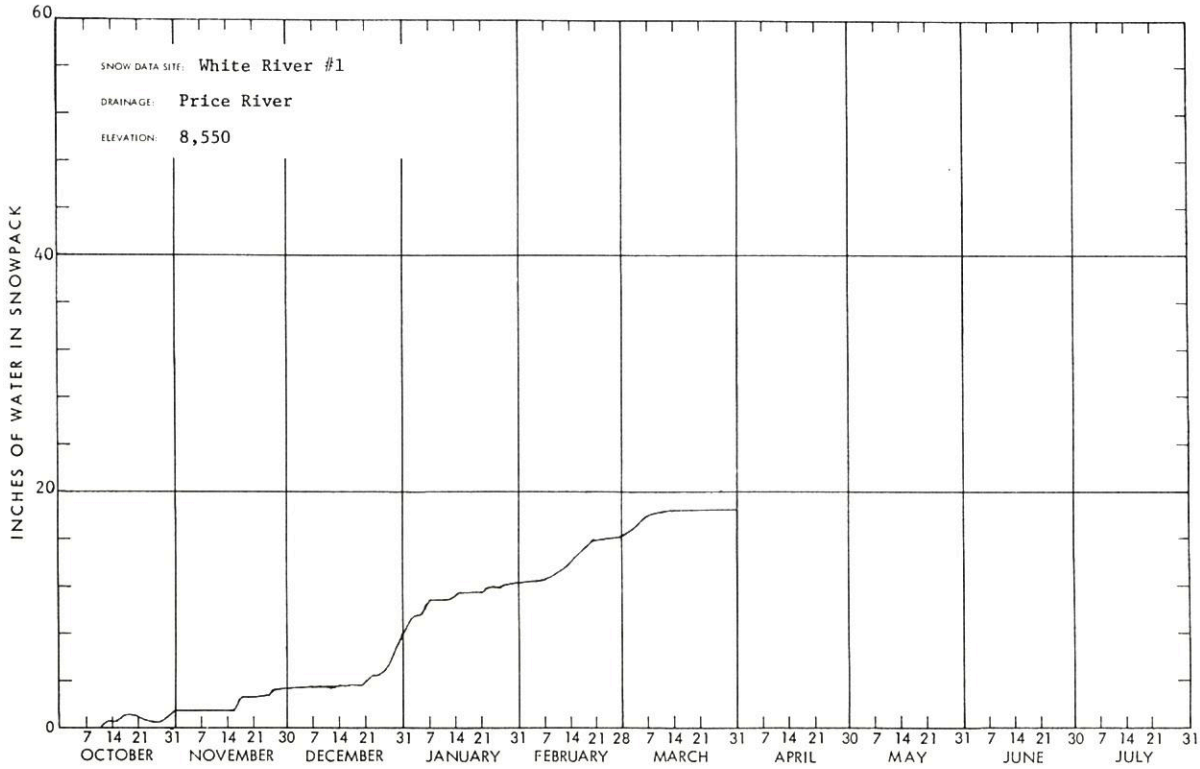

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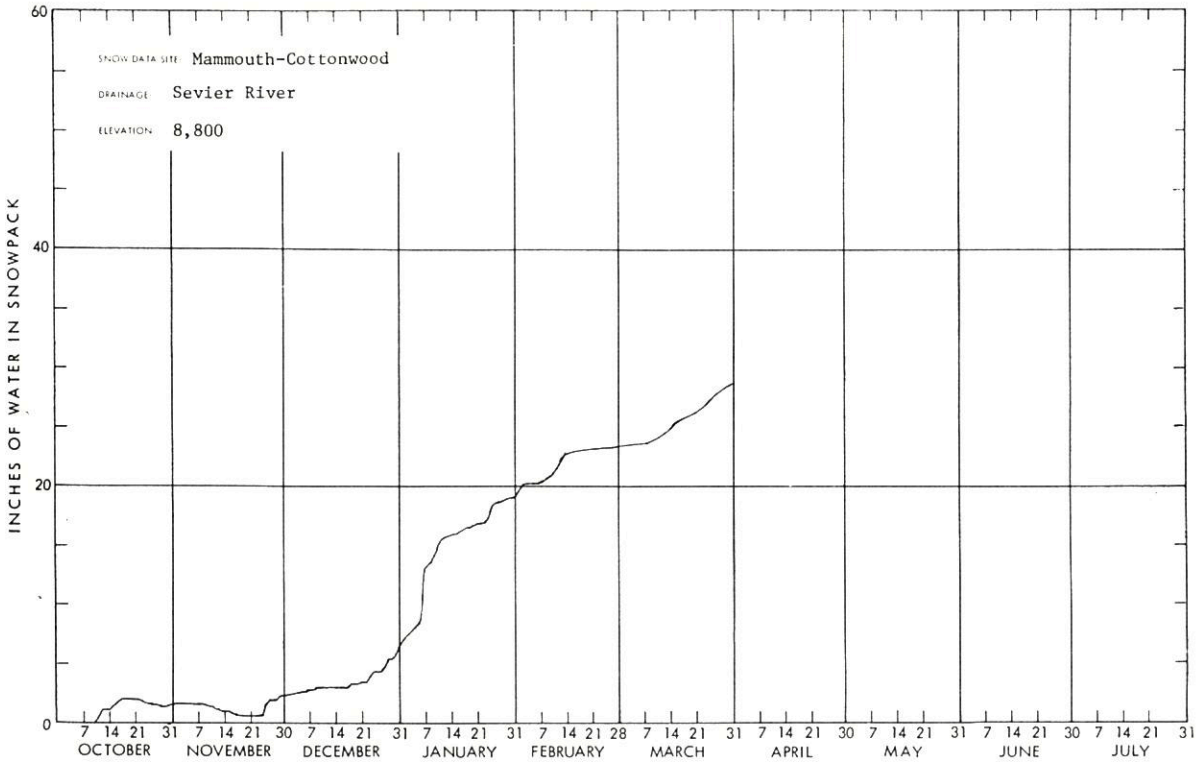

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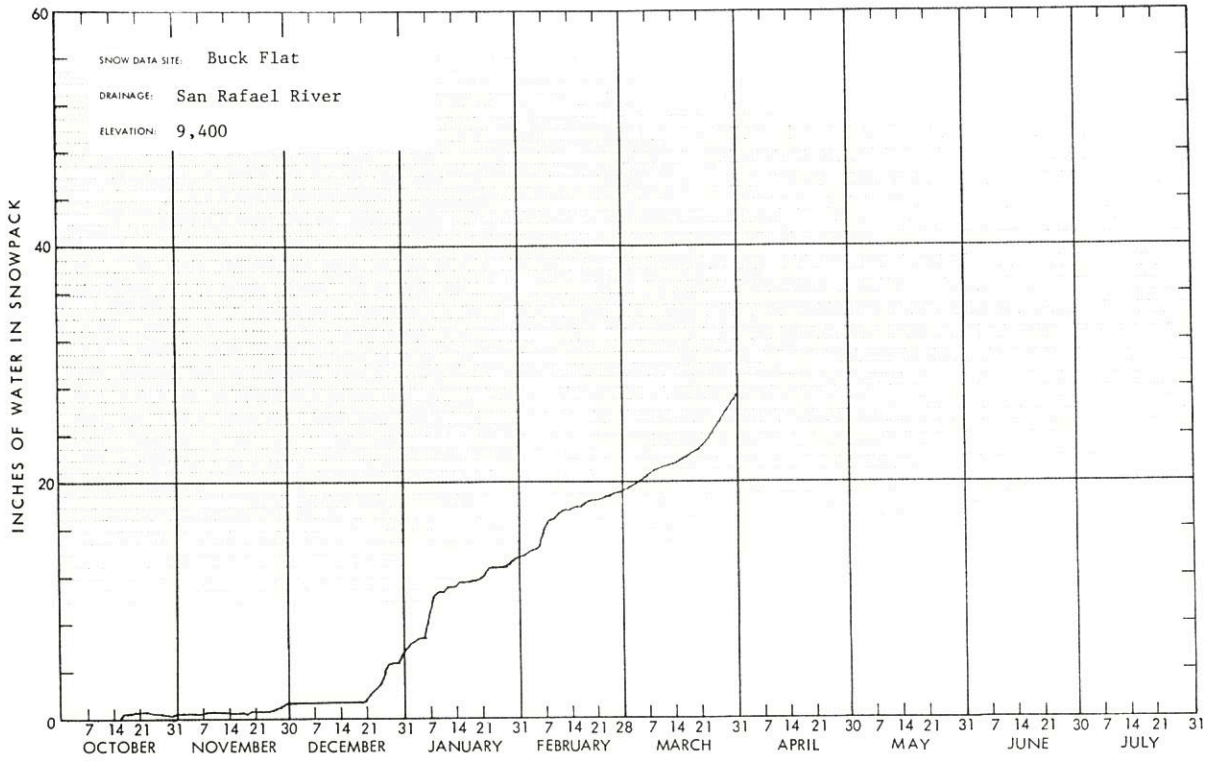

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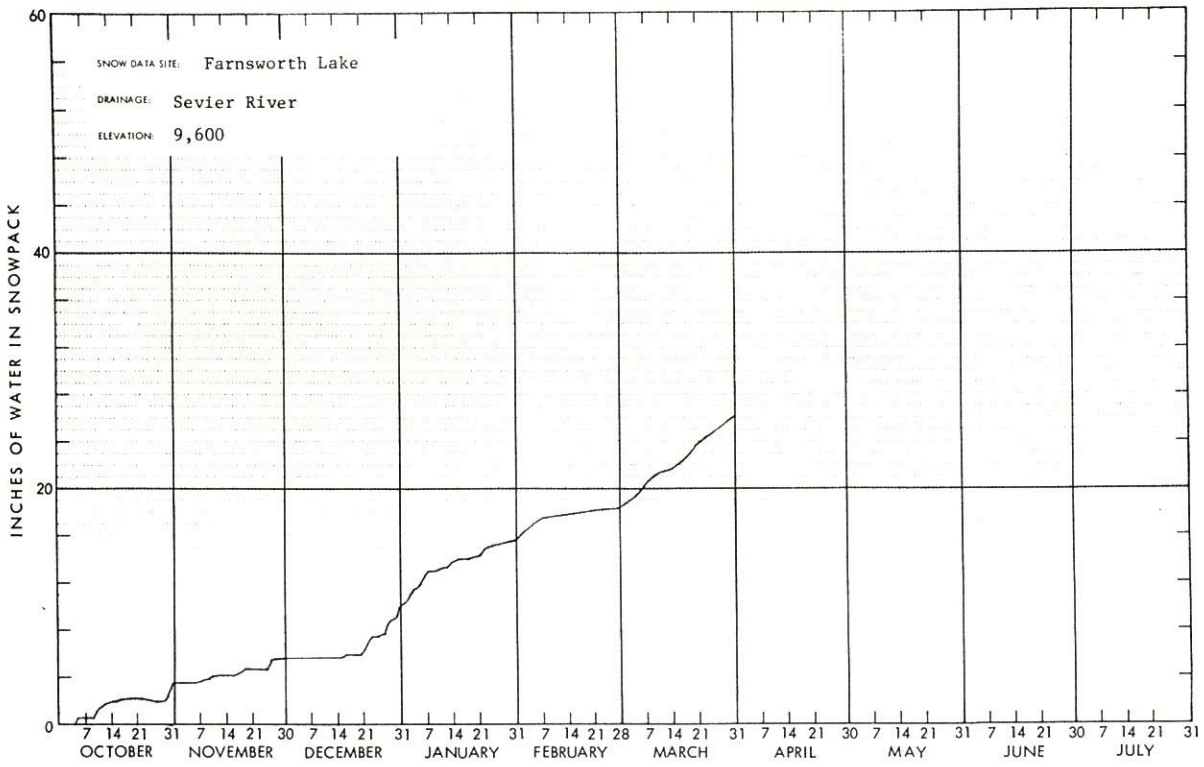

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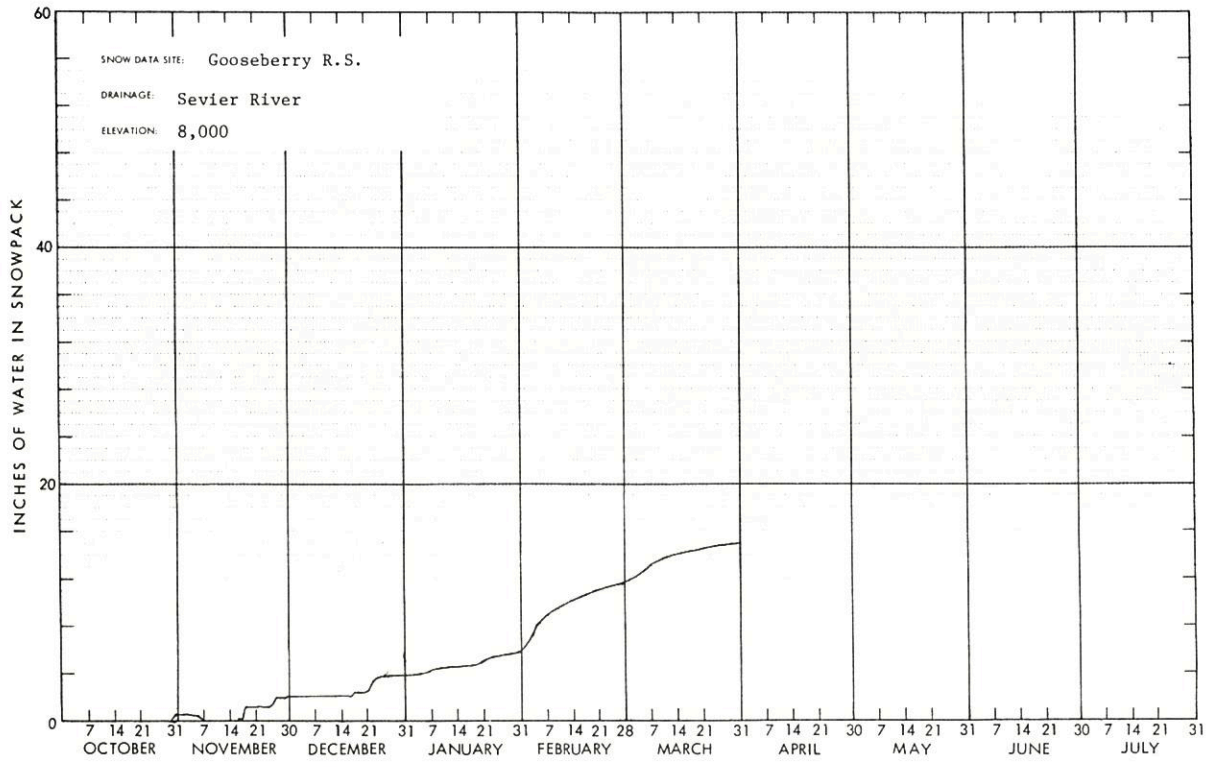

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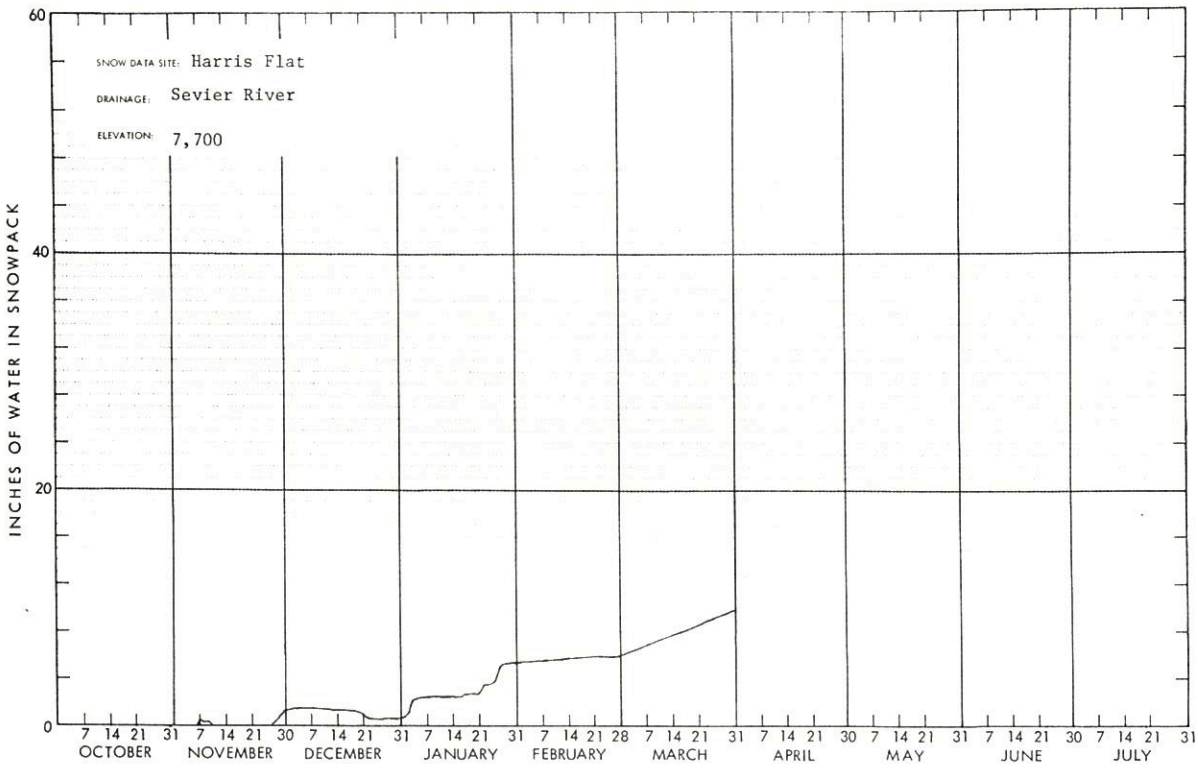

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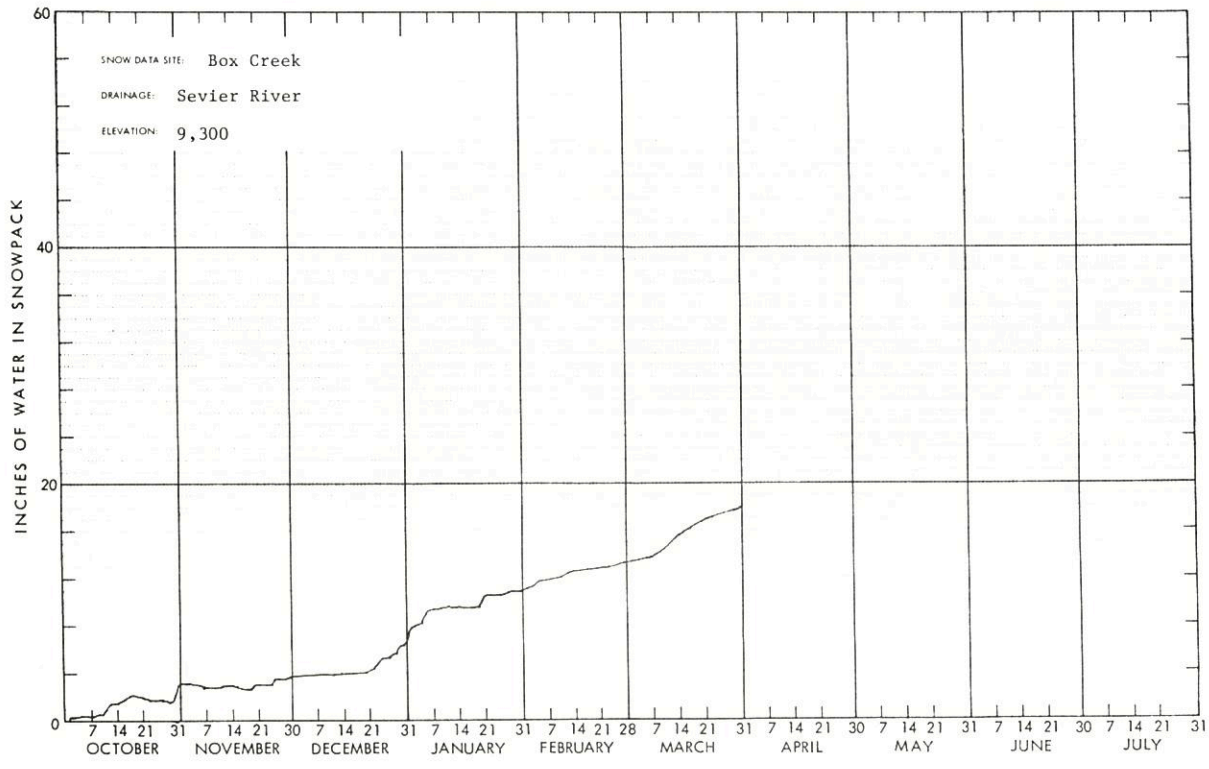

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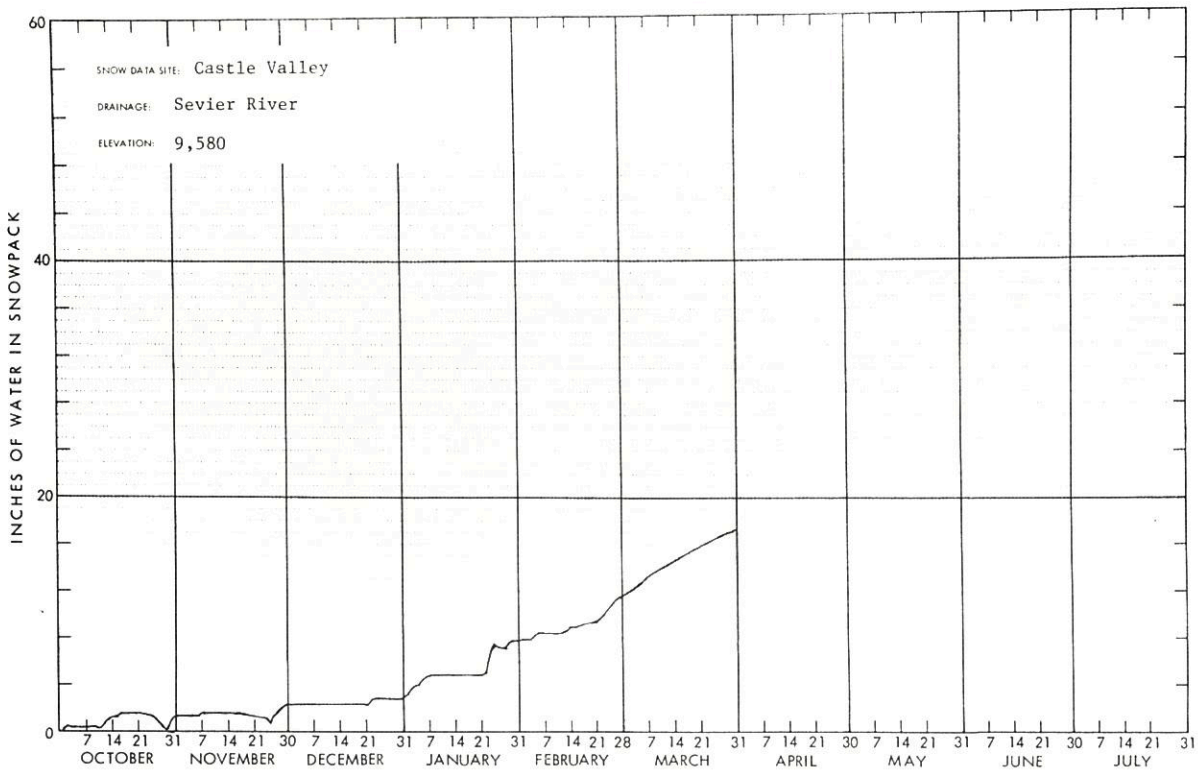

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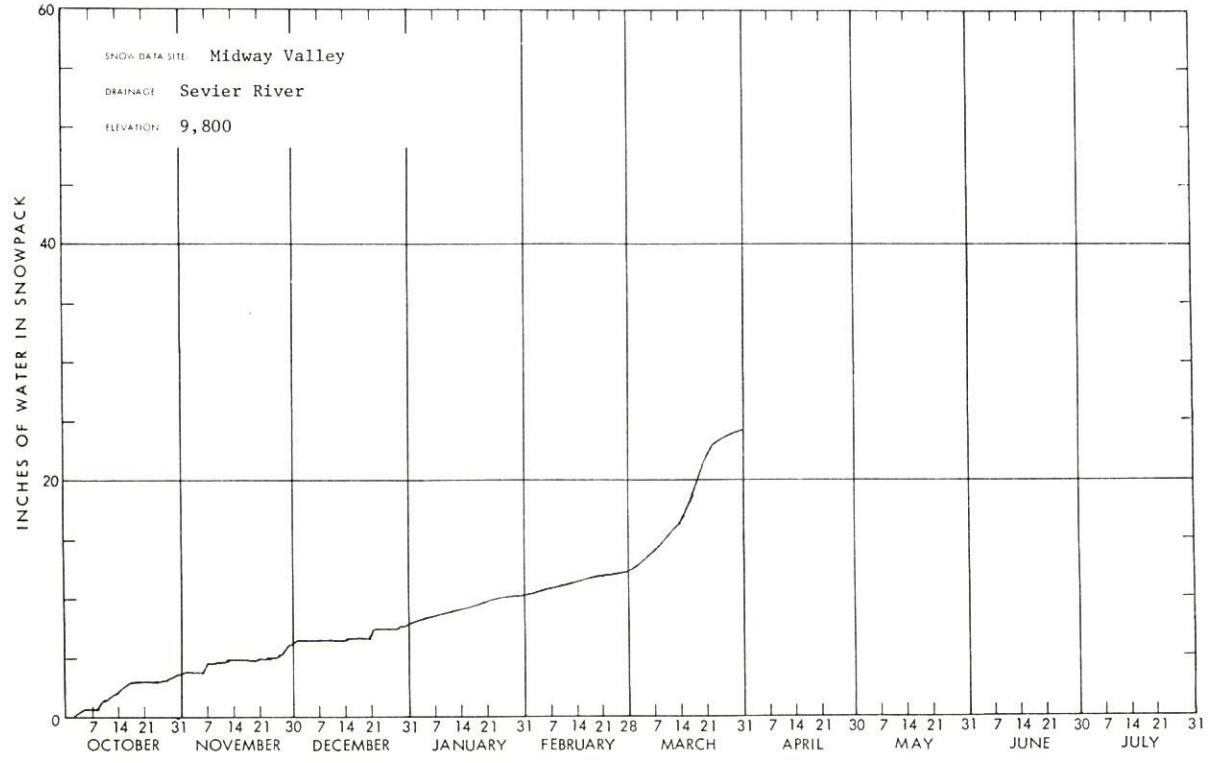
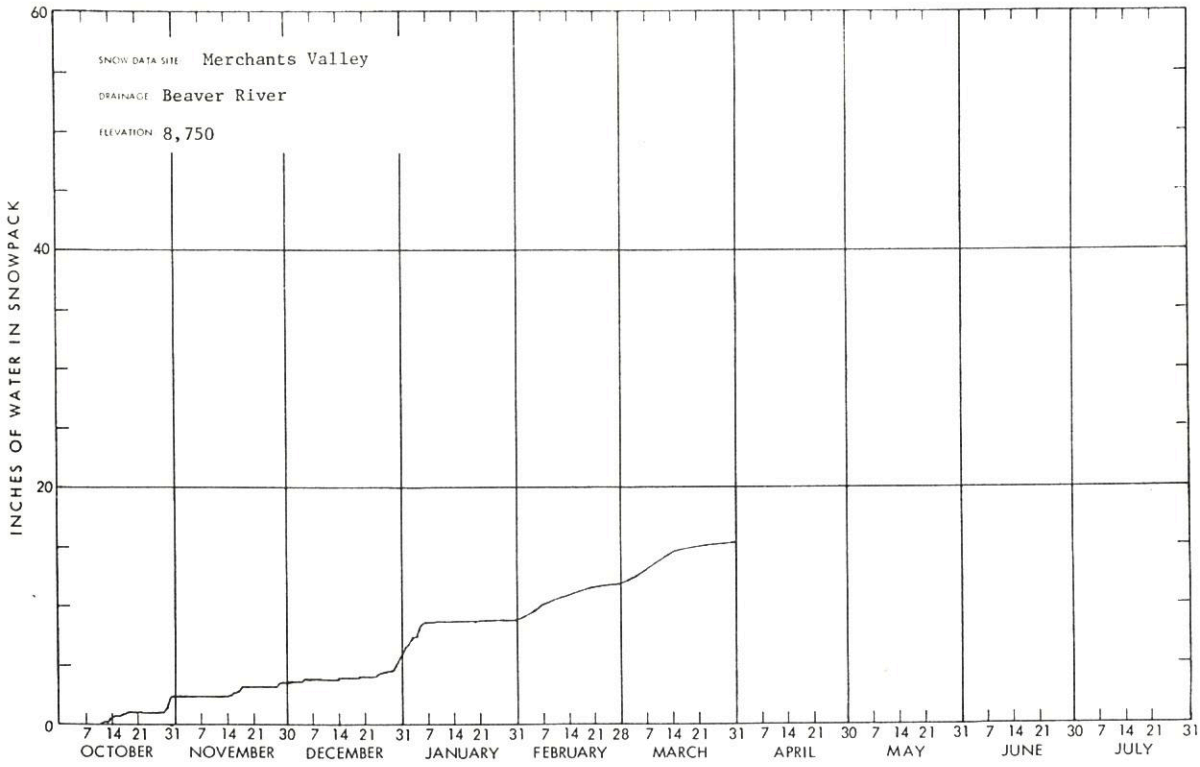
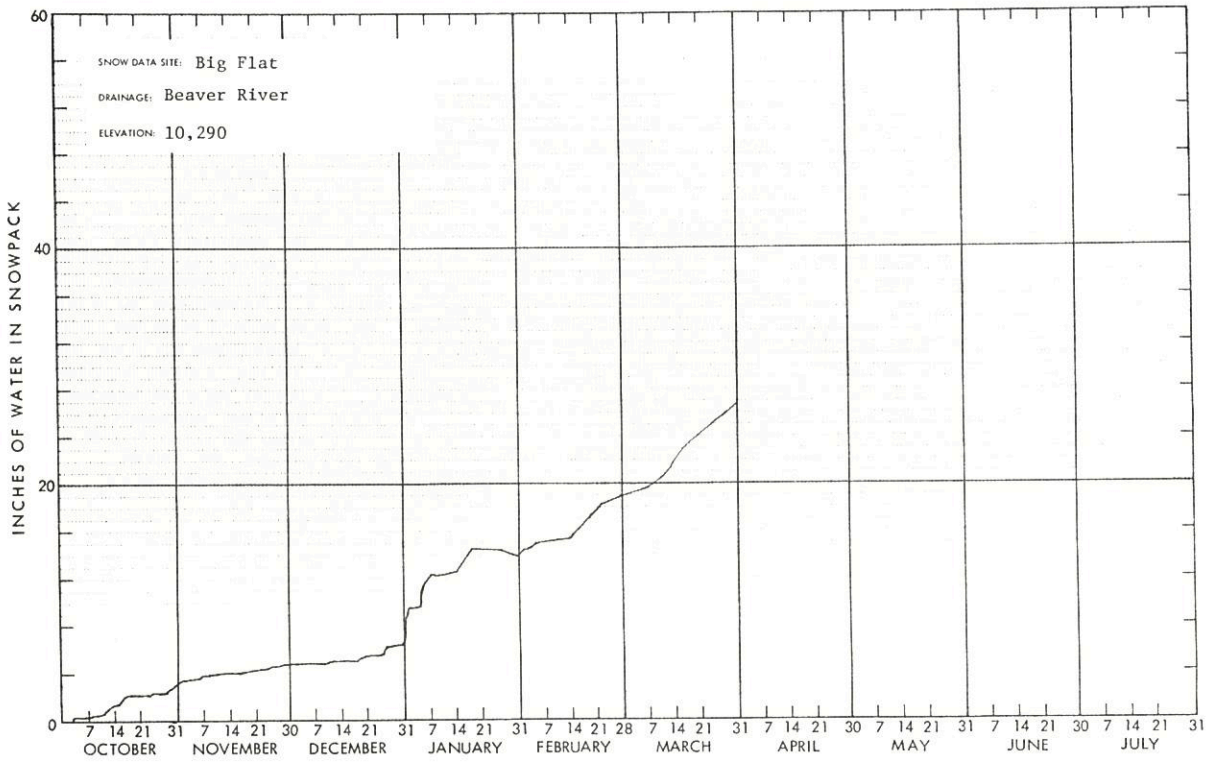
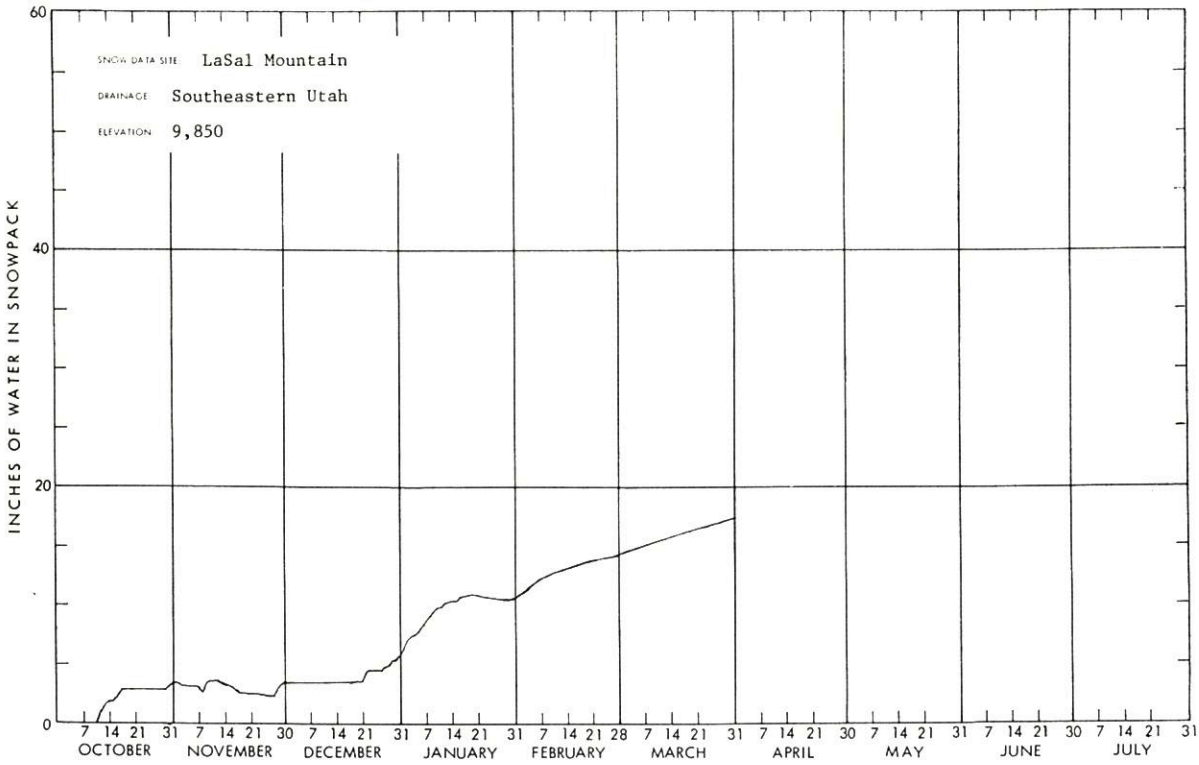
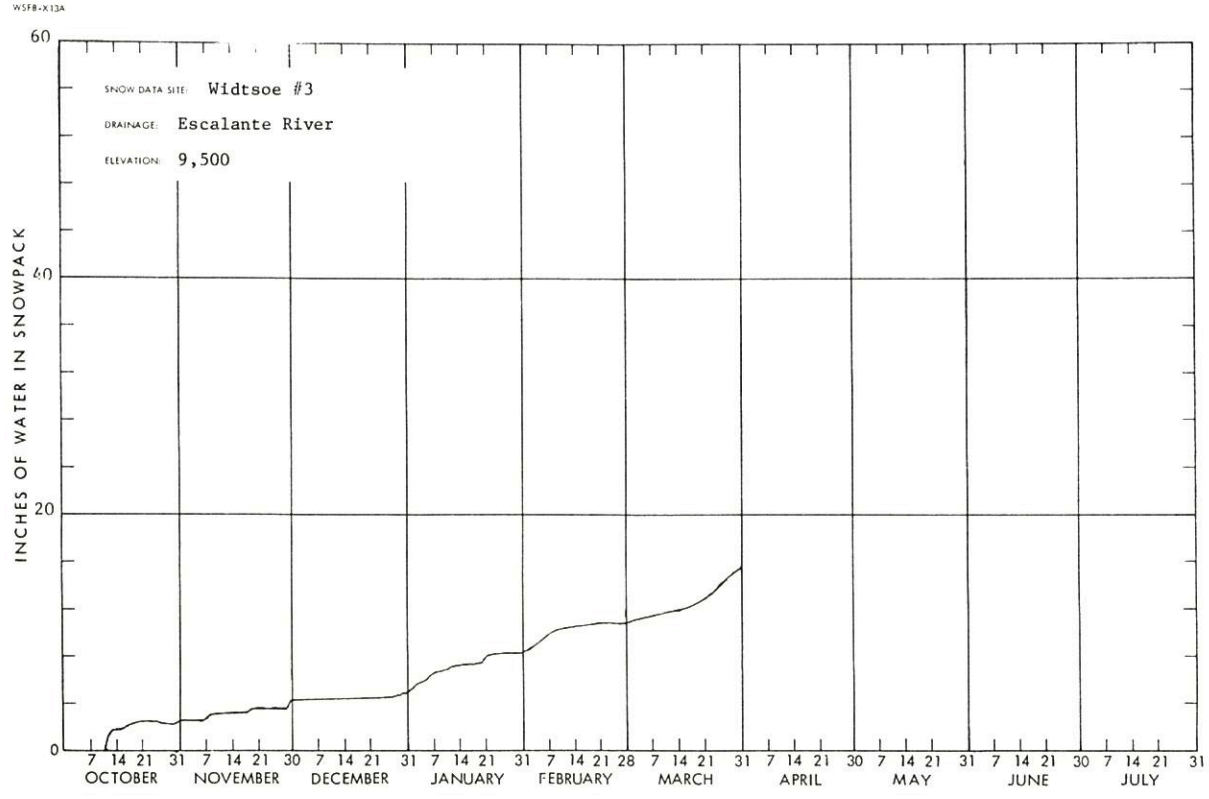


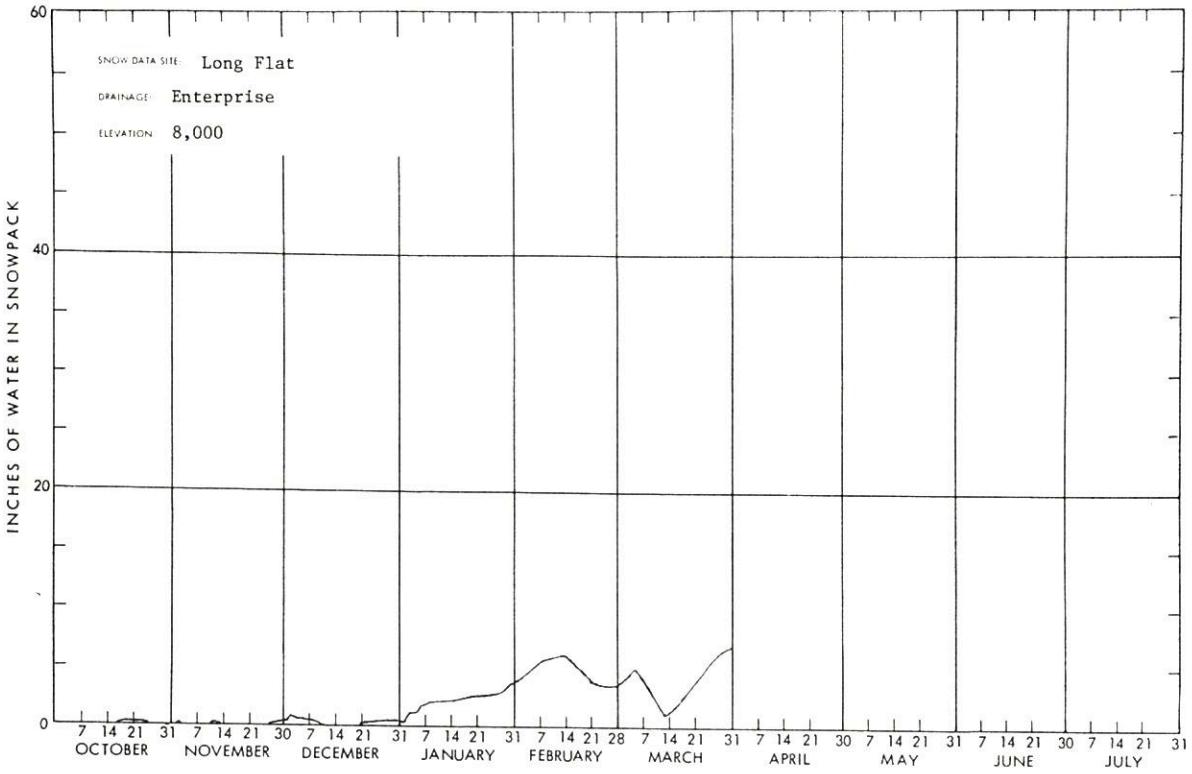

SNOW DATA SITE: Merchants Valley
DRAINAGE: Beaver River
ELEVATION: 8,750
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

WSFB-X13C


SNOW DATA SITE: Big Flat
DRAINAGE: Beaver River
ELEVATION: 10,290
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


SNOW DATA SITE: LaSal Mountain
DRAINAGE: Southeastern Utah
ELEVATION: 9,850
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Widtsoe #3
DRAINAGE: Escalante River
ELEVATION: 9,500
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Long Flat
DRAINAGE: Enterprise
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
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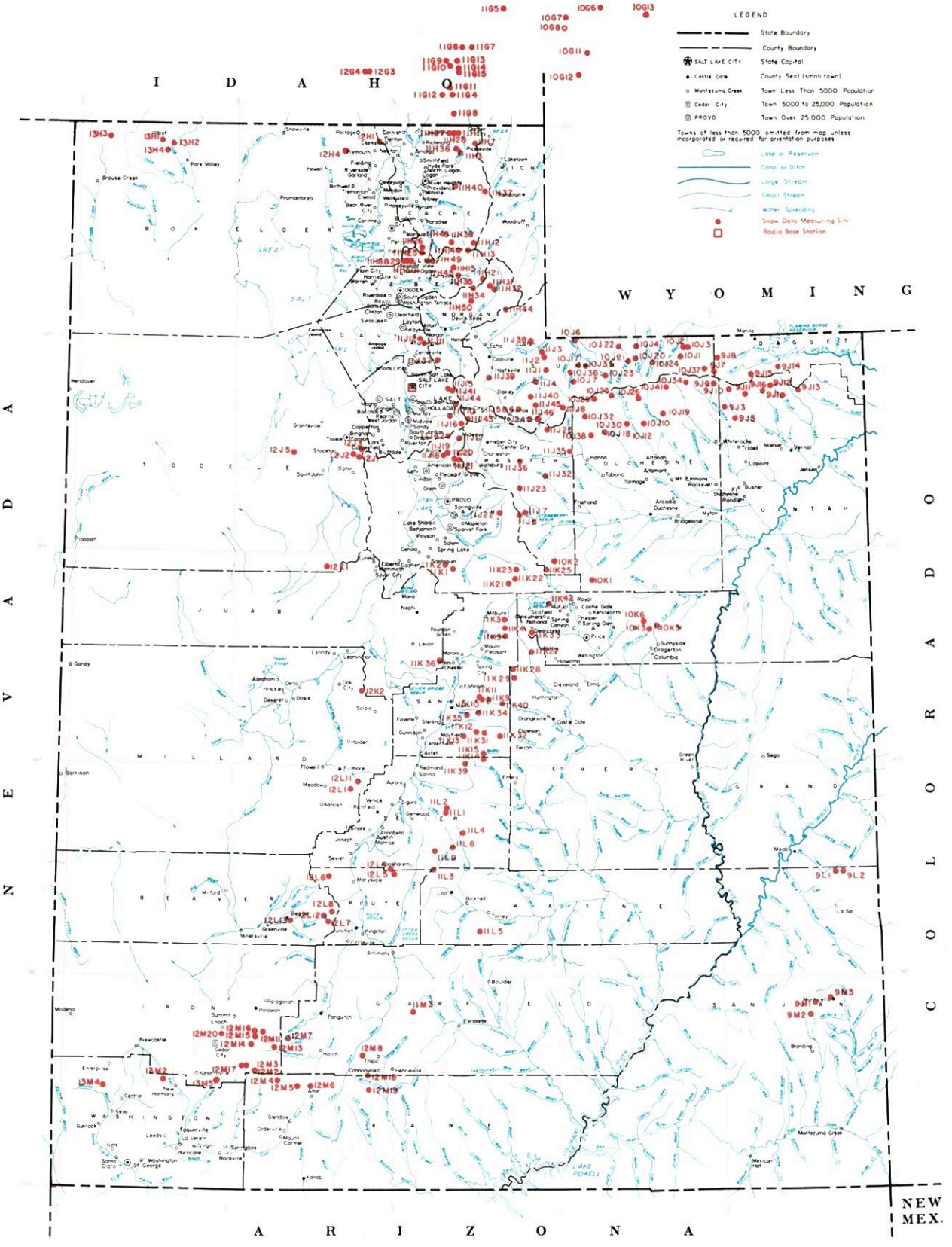


SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1 : 1,500,000

ALBERS EQUAL AREA PROJECTION

USDA SCS PORTLAND, OR 1981 M7-UT-42421

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV.
		UPPER BEAR RIVER (above Harer, Idaho)				
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	15	1N	9E	10,000
10J7PST	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,050
11H12PST	U	Monte Cristo R.S.	4	8N	4E	8,960
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10G13MP	W	Snyder Basin x	15	29N	115W	8,400
10J17P	U	Stillwater Camp	32	2N	10E	8,550
		LOWER BEAR RIVER (below Harer, Idaho)				
11H37pST	U	Bug Lake	18	11N	5E	7,950
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mountain	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11G14a	I	Dry Basin	30	13S	42E	7,900
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MPST	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
11H40p	U	Herd Hollow	3	11N	3E	7,200
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,240
11H26	U	Little Bear (lower)	16	8N	1E	6,000
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H36PST	U	Tony Grove Lake	5	13N	3E	8,400
11H3MP	U	Tony Grove Ranger Station	11	13N	3E	6,250
11G4P	I	Willow Flat	2	15S	41E	6,100
		RAFT RIVER				
13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
13H4PS	U	George Peak	4	13N	14W	9,000
13H1	U	One Mile Summit	17	14N	14W	7,330
13H3a	U	ViPont	17	14N	17W	7,670
		OGDEN RIVER				
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8PST	U	Ben Lomond Peak	3	7N	1W	8,000
11H30 PST	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H13MPST	U	Dry Bread Pond	19	8N	4E	8,350
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
		WEBER RIVER				
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J45a	U	East Shingle Lake	6	2S	8E	9,750
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950
11J11PST	U	Farmington Canyon (upper)	23	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	22	2N	2E	6,700
11H21PST	U	Horse Ridge	25	7N	4E	8,260
11H31	U	Kilfoil Creek	20	6N	5E	7,300
11H32P	U	Lost Creek	27	6N	5E	7,300
11J43	U	Park City Summit	30	2S	4E	9,300
11J15PST	U	Parley's Canyon Summit	5	1S	3E	7,500
11H50	U	Pine Canyon	6	5N	4E	8,000
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39pa	U	Sergeant Lakes	9	1N	6E	8,300
11J40p	U	Shingle Mill Flat	22	1S	7E	9,040
11J4PST	U	Smith & Morehouse	25	1N	7E	7,600
		PROVO RIVER & UTAH LAKE				
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21PST	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22PST	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,000
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21PST	U	Timpanogos Divide	33	4S	3E	8,140
10J8PST	U	Trial Lake	5	2S	9E	9,960
		JORDAN RIVER & GREAT SALT LAKE				
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,500
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J44	U	Mill Creek	25	1S	2E	6,950
11J10	U	Mill D South Fork	18	2S	3E	7,400
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
11J42	U	Snow Bird (Gad Valley)	18	3S	3E	9,700
12K1PST	U	Vernon Creek	21	10S	5W	7,500
		UPPER SEVIER RIVER (South of Richfield, Utah)				
12L4PST	U	Box Creek	33	26S	2W	9,300
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13PST	U	Castle Valley	23	36S	8W	9,580
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
12M18	U	Farview	32	37S	4W	8,200
12M5PST	U	Harris Flat	24	38S	7W	7,700
11L9p	U	High-Top Mountain	36	25S	1E	11,400
12L6PST	U	Kimberly Mine	11	27S	5W	9,300
12M2MPST	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12M19	U	Rainbow Point	29	38S	4W	9,100
12L5	U	Squaw Springs	3	27S	2W	9,300
		LOWER SEVIER RIVER (Including San Pitch River)				
11K13P	U	Beaver Dam	22	19S	3E	8,000
11L1PST	U	Farnsworth Lake	34	23S	2E	9,600
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10P	U	G.B.R.C. Meadows	27	17S	4E	10,000
11L2PST	U	Gooseberry R.S.	21	23S	2E	8,000
11K3MPST	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
12K2P	U	Oak Creek	9	17S	3W	7,760
11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000
12L1PS	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	19	18S	3E	8,760
		BEAVER RIVER				
12L13	U	Beaver Race Track	23	29S	7W	6,020
12L7PST	U	Big Flat	7	29S	4W	10,290
12L12PST	U	Merchant's Valley (upper)	8	29S	5W	8,750
12L8	U	Otter Lake	12	29S	5W	9,600
		PAROWAN CREEK				
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
		ENTERPRISE TO NEW HARMONY DRAINAGES				
13M4MP	U	Little Grassy Creek	14	38S	18W	6,100
13M2MPST	U	Long Flat	2	38S	14W	8,000
		COAL CREEK				
12M20	U	Cedar City Golf Course	11	36S	11W	5,800
12M17	U	SUSC Ranch	18	37S	9W	8,200

COLORADO RIVER DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV.
		UPPER GREEN RIVER IN UTAH (above Duchesne River)				
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	2	1N	11E	9,700
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J13P	U	Grizzly Ridge	8	1S	22E	8,500
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	13	2N	17E	9,100
9J15p	U	Highline Trail	24	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,650
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20PST	U	Steel Creek Park	17	2N	13E	10,100
9J16PST	U	Trout Creek	9	1S	20E	9,400
9J12ap	U	Windy Park	2	1S	20E	9,400
		DUCHESNE RIVER				
10J41ap	U	Atwood Lake	13	4N	4W	10,840
10J30PST	U	Brown Duck Ridge	8	2N	6W	10,600
9J9ap	U	Chepeta-Whiterocks Lakes	3	4N	1W	10,350
11J32MPST	U	Currant Creek	26	1S	11W	8,000
11J23MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J7P	U	East Portal	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
10K1PST	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	25	3N	4W	10,600
10J34p	U	Kidney Lake	28	5N	3W	11,000
10J25ap	U	Lakefork Basin	13	4N	7W	11,100
10J10PST	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J12	U	Lakefork Mountain #3	20	2N	4W	8,400
10J29ap	U	Lightning Lake	23	4N	8W	10,500
9J5PST	U	Mosby Mountain	33	3N	1E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	29	3N	8W	10,150
11J8PST	U	Strawberry Divide	2	4S	12W	8,400
11J35P	U	West Fork of the Duchesne	22	1N	11W	9,480
		PRICE RIVER				
10K5M	U	Corral	32	13S	14E	8,200
11K42P	U	Dry Valley Divide Alternate	14	11S	7E	8,100
10K3M	U	Grassy Trail Creek-Left Fork	1	14S	13E	7,970
11K33MP	U	Mud Creek	4	14S	7E	8,600
10K6	U	Timberline	23	13S	13E	9,190
10K2MPST	U	White River #1	11	10S	8E	8,550
11K2S	U	White River #3	30	10S	8E	7,400
		SAN RAFAEL RIVER				
11K31PST	U	Buck Flat	23	19S	4E	9,400
11K4	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5P	U	Huntington-Horseshoe	12	14S	5E	9,800
11K40P	U	Orange Olsen	31	17S	6E	7,200
11K28PST	U	Red Pine Ridge	5	16S	6E	9,200
11K9PST	U	Seeley Creek	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8	15S	7E	7,950
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
		MUDDY RIVER				
11K14	U	Black's Fork	34	20S	4E	9,200
11K15PST	U	Dill's Camp	27	20S	4E	9,200
		FREMONT RIVER				
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,400
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
		SOUTHEASTERN UTAH DRAINAGES				
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,850
9M3	U	Monticello Park	25	33S	23E	7,050
		ESCALANTE RIVER				
11M3PST	U	Widtsoe-Escalante #3	22	34S	1W	9,500
		VIRGIN RIVER				
13M5PST	U	Kolob-Crystal	2	38S	11W	9,250
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M3MPST	U	Webster Flat	20	37S	9W	9,200

LEGEND
Numbering System (example)

10J7	Snow Course Only
10J7P	Snow Course and Precipitation Gage
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage
10J7a	Aerial Marker Only
10J7p	Storage Precipitation Gage Only
10J7PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature
10J7PST	Snotel Data Site

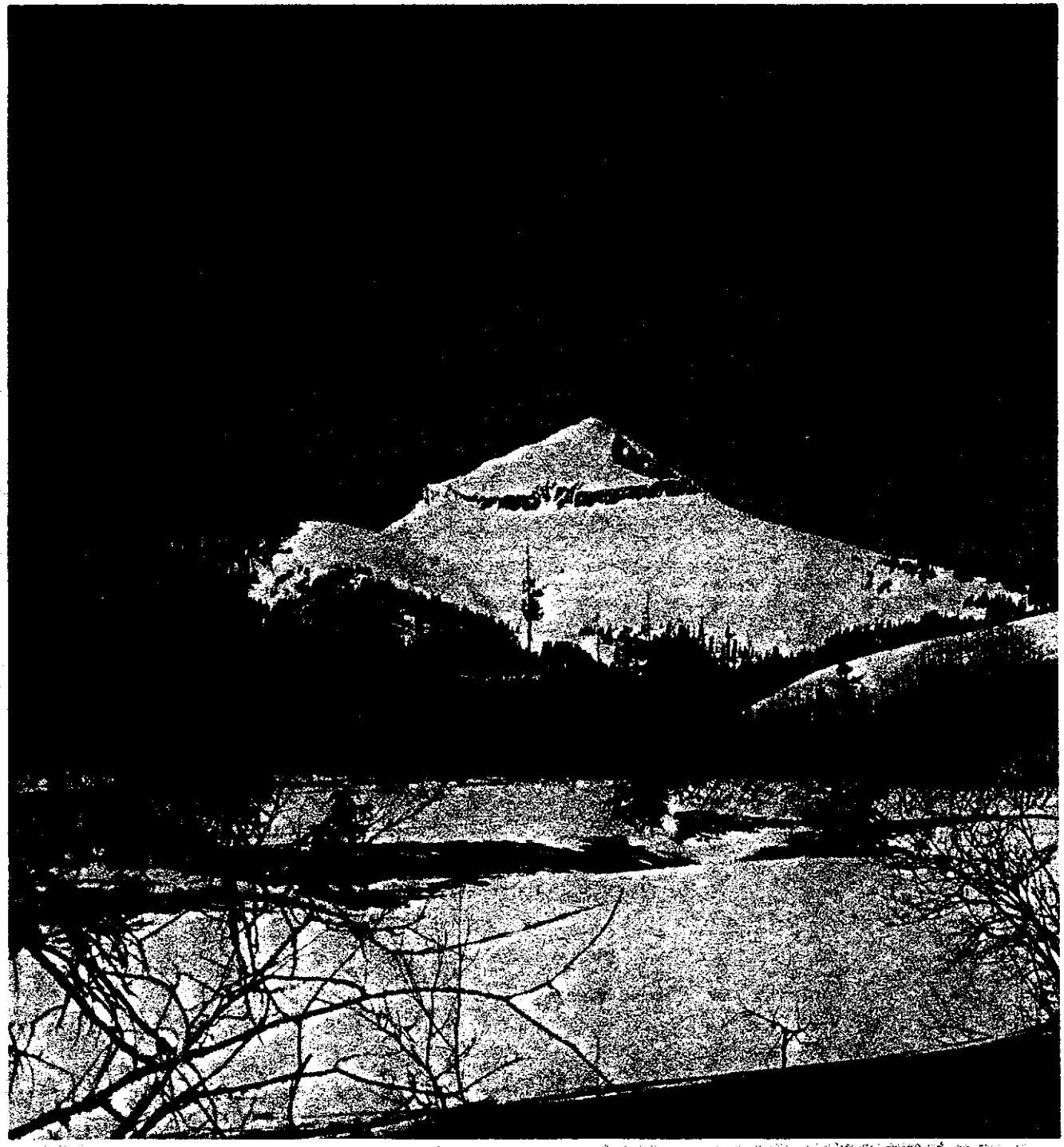
United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department of Natural Resources



May 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Inventigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GEORGE D. McMILLAN
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN
State Engineer
Division of Water Rights

DANIEL F. LAWRENCE
Director
Division of Water Resources

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147

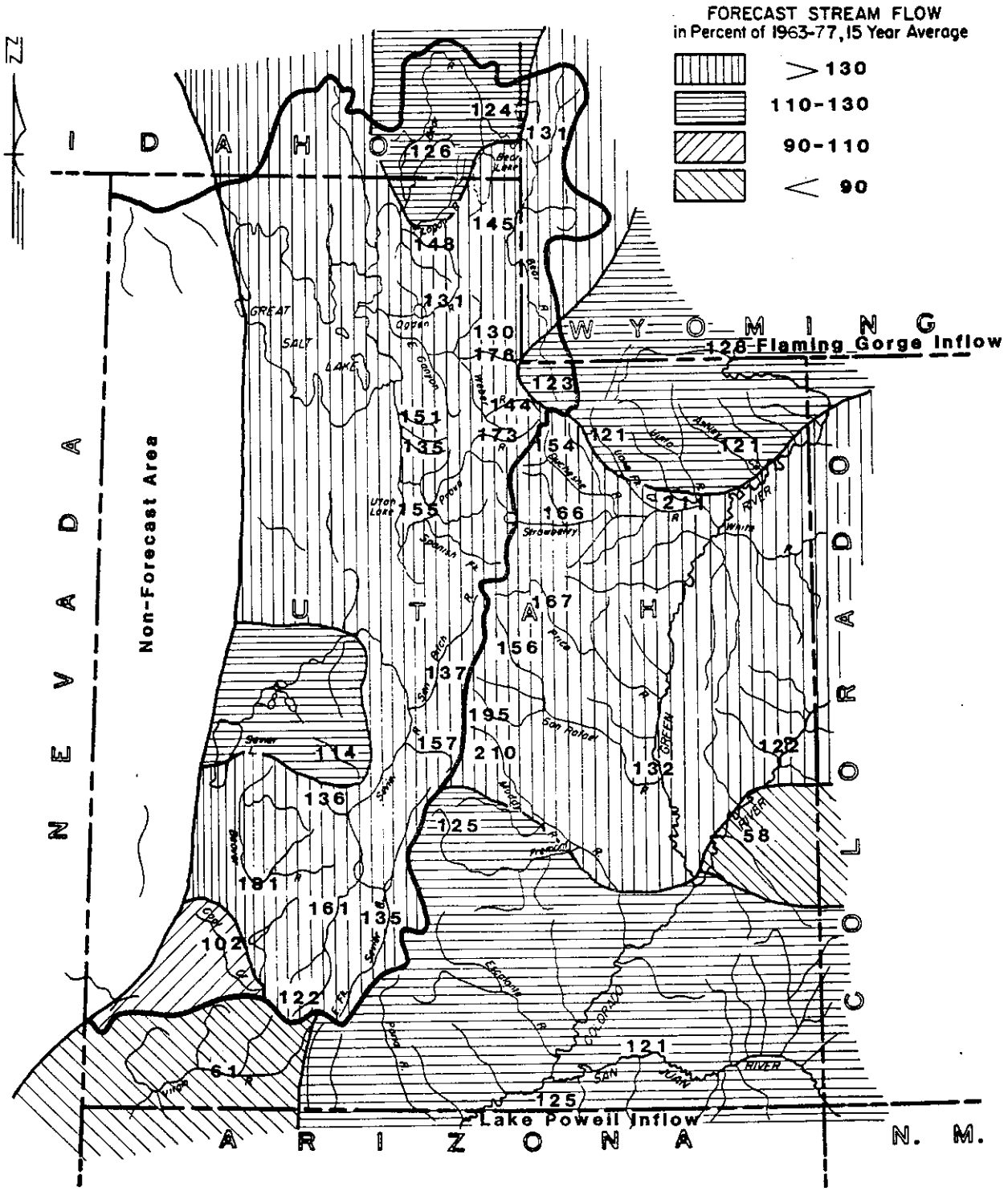
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

May 1, 1982

Approximate Date

50 0 50 100
SCALE IN MILES



As Of May 1, 1981

* *

* Utah's 1982 Water Supply Outlook now ranges from below average in Southern Utah to much above average in portions of Central and Northern Utah. Snow cover varies from no snow in the southwestern part of the state to 188% of average on Strawberry River. Reservoir storage is 107% of the May 1 average and streamflow forecasts range from 48% of average on the Santa Clara to 305% for Minersville inflow. *

* *

SNOW COVER

Snow measurements as of May 1 varied from no snow in the Enterprise-New Harmony area to 188% of average on Strawberry River. Other areas of the state range from 29% of average on Blue Mountains, 65% on LaSal Mountain, 117% on the Virgin, 116% on South Fork Sevier, 135% on the East Fork Sevier, 141% on the Beaver River, 147% on the San Rafael, 159% on the Price, 112% on the Lower Sevier, 150% on the Provo, 139% on the Weber, 151% on the Ogden, 154% on the Logan with some snow courses showing 2 to 3 times average, 128% on the Upper Bear, 121% on Black's Fork, 115% on Ashley Creek, and 135% on Lakefork-Yellowstone Creeks.

PRECIPITATION

April precipitation at mountain stations ranged from 21% of average at Stuart Ranger Station on Huntington Creek to 137% of average for Garden City Summit between Bear Lake and Logan and Duck Creek Ranger Station on the head of the Sevier.

SOIL MOISTURE

Watershed soil moisture is near average under the snow pack and will improve as snow melt progresses. Medium and lower elevation soils are beginning to dry out.

RESERVOIR STORAGE

Storage in 24 of Utah's key irrigation reservoirs is 107% of the May 1 average and 81% of useable capacity. Practically all reservoirs are expected to fill this season. The Great Salt Lake is now at 4200.40 feet. It rose 0.50 feet during April but is 0.35 feet lower than a year ago. Utah Lake is 0.55 feet above compromise.

STREAMFLOW FORECASTS

Forecasts of streamflow for the May-July period now range from 48% of average on the Santa Clara to 305% for the inflow to Minersville Reservoir. Most other forecasts range from 120 to 170% of average.

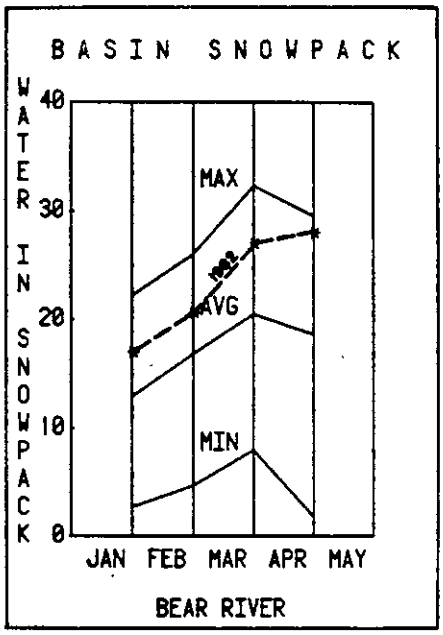
Water supplies are expected to be average to above average for all users except in smaller streams or streams without stored water in the southern 1/4 of the state.

Mean daily peak flows are expected to be about 1-1/2 to 2 times average on the Logan, Little Bear, Strawberry, Ferron, and Muddy. Precautions should be taken to protect property near these and other stream channels where forecasts are higher than average this season.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH May 1, 1982

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
GREAT BASIN					
Bear River	Bear Lake	1421.0	1003.7	1070.2	1098.4
	Woodruff Narrows	573	56.8	45.5	25.7
Beaver River	Minersville (RkyFd)	23.3	19.9	24.6	15.3
Little Bear	Hyrum	15.3	10.2	15.7	13.4
	Porcupine	11.3	11.9	8.0	8.7
Ogden	Causey	6.9	3.4	6.9	2.3[b]
	Pineview	110.1	78.3	73.3	76.9
Provo	Deer Creek	149.7	125.7	140.4	115.1
Settlement Creek	Settlement Creek	1.2	0.7	0.7	--
	Vernon Creek	0.6	0.6	0.6	--
Sevier River	Gunnison	18.2	18.2	--	14.9
	Otter Creek	52.5	54.2	52.5	39.5
	Piute	71.8	66.8	67.6	47.1
	Sevier Bridge	236.0	217.2	225.4	144.6
Spanish Fork	Strawberry	270.0	193.0	227.2	166.0
Utah Lake	Utah Lake	883.9	936.7	871.6	775.0
Weber	East Canyon	48.1	35.8	42.4	33.1
	Echo	73.9	20.7	70.2	55.2
	Lost Creek	20.0	13.0	18.5	13.9[b]
	Rockport	60.9	35.2	57.4	37.2
	Willard Bay	193.3	159.0	184.7	162.9
COLORADO RIVER BASIN					
Ashley Creek	Steinaker	33.3	25.5	30.1	23.7
Colorado	Blue Mesa	829.5	237.7	390.0	--
	Lake Powell	25002.0	19859.0	21512.0	--
Green	Flaming Gorge	3749.0	2636.4	2955.3	--
Lakefork	Moon Lake	35.8	17.7	17.7	19.0
Price River	Scofield	65.8	43.2	55.1	36.9
San Juan	Navajo	1696.0	1283.9	1246.0	--
	Ken's Lake	2.7	1.2	0.9	--
San Rafael	Huntington North	3.9	3.3	5.4	3.9[b]
	Joe's Valley	54.6	31.9	46.6	39.1[b]
	Mill Site	16.7	8.5	11.7	--
Strawberry	Starvation	165.3	123.9	165.3	--
Uintah	Bottle Hollow	11.3	11.0	11.3	--

USDA-SCS-PORTLAND, OREG. 1982


BASIN SNOWPACK
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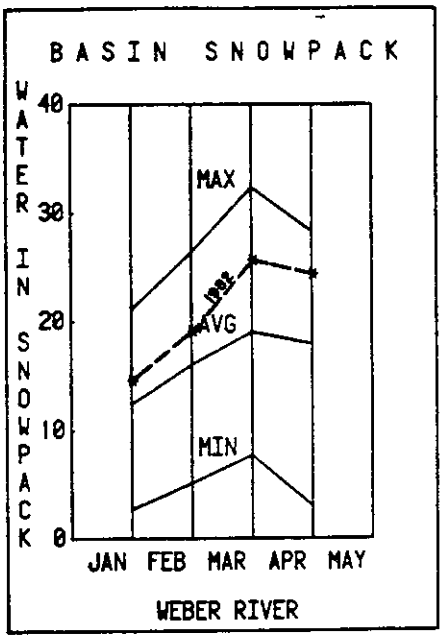
JAN FEB MAR APR MAY
BEAR RIVER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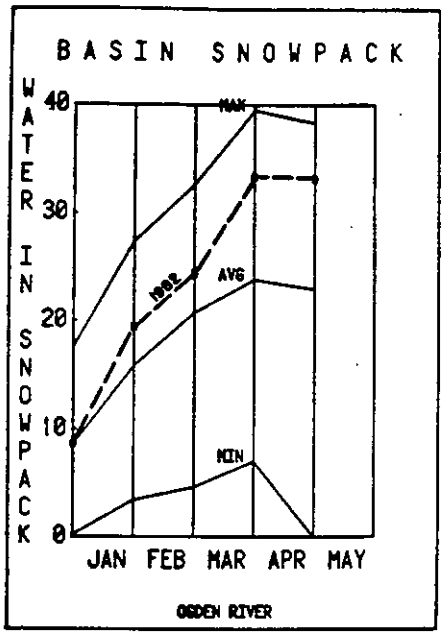
WEBER RIVER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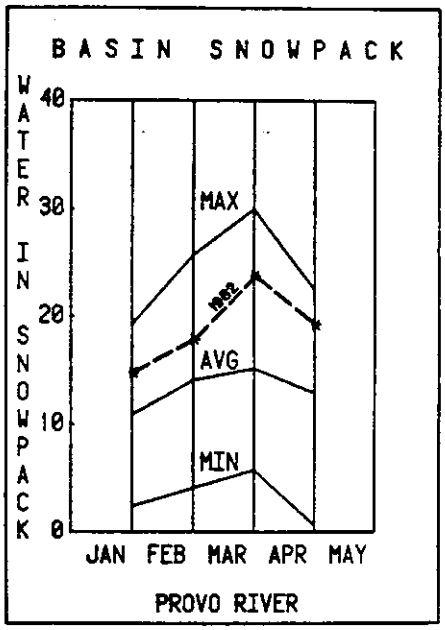
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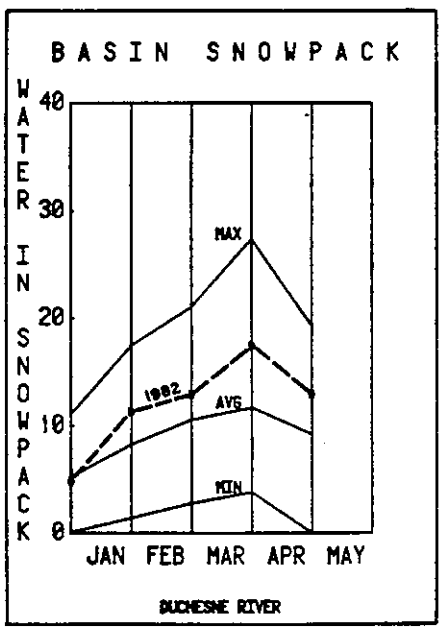
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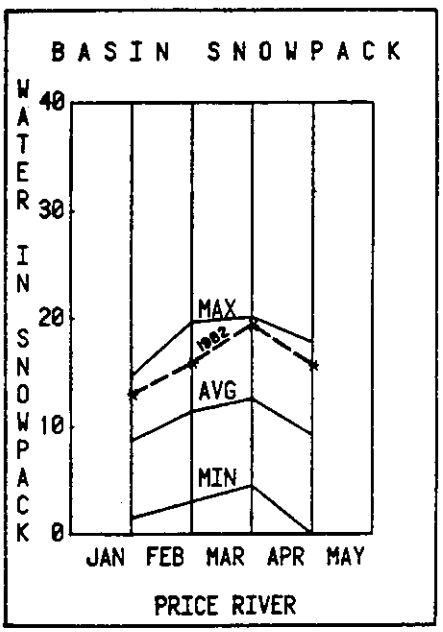
DUCHESNE RIVER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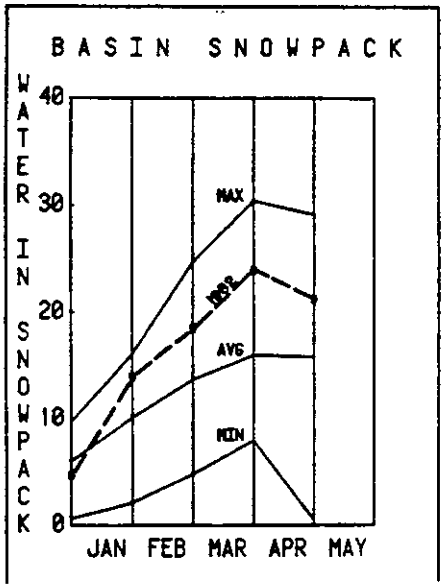
PRICE RIVER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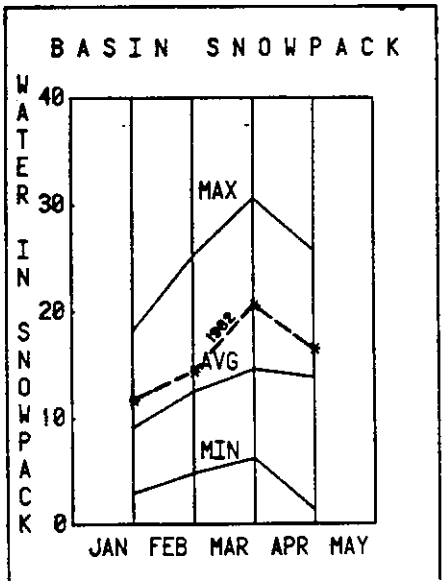
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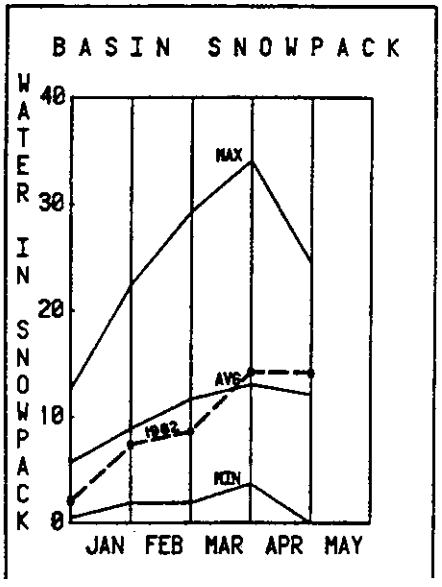
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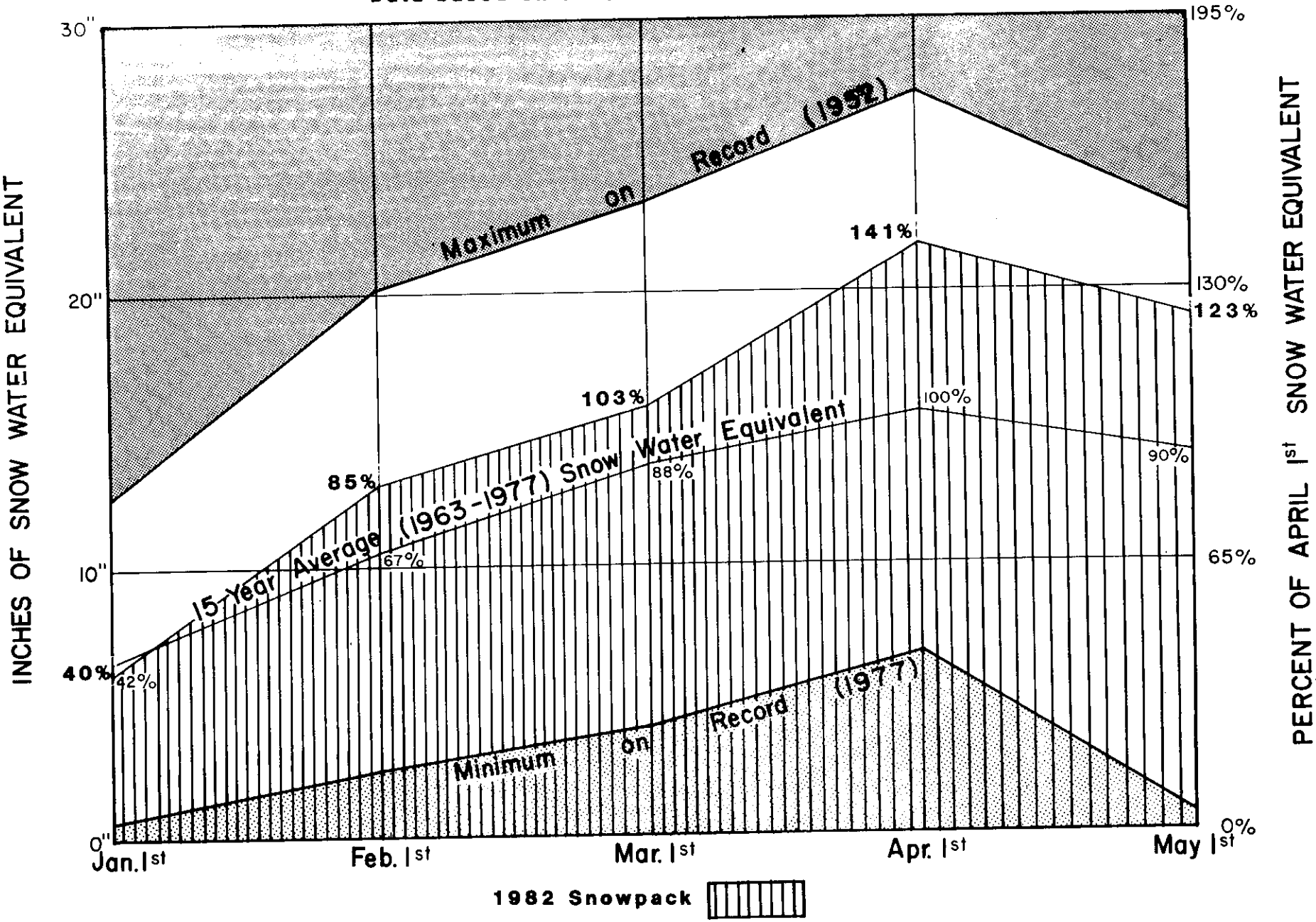
JAN FEB MAR APR MAY

UTAH'S WINTER SNOWPACK

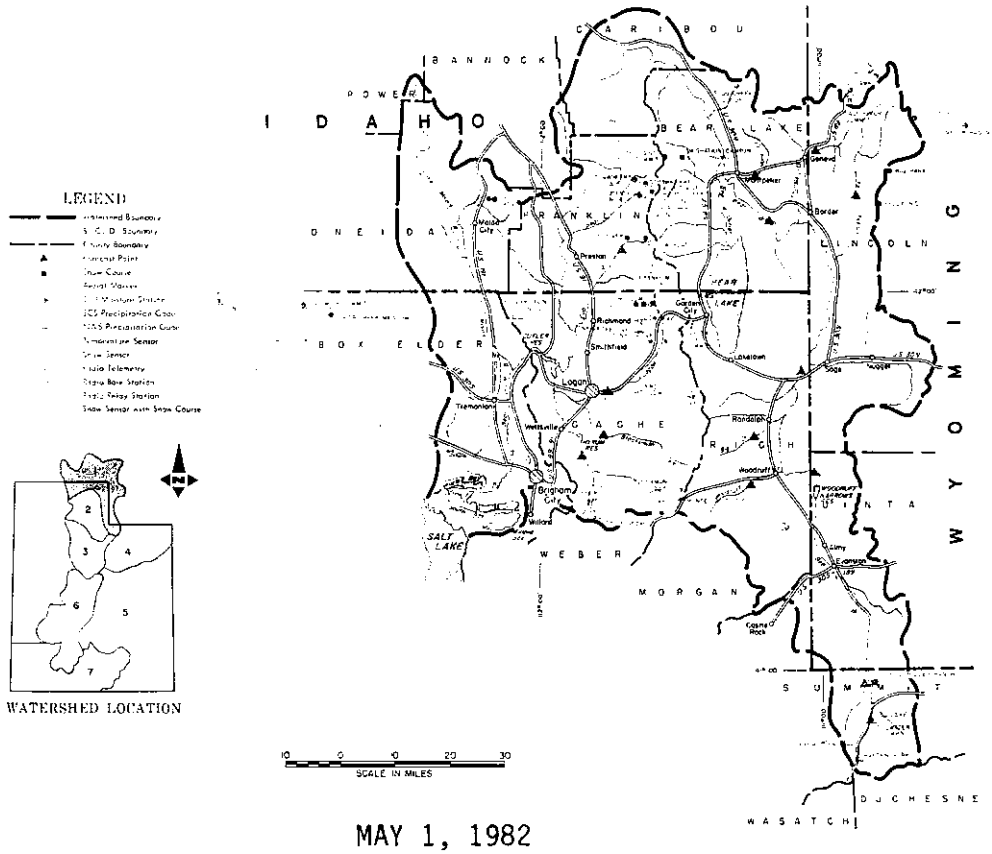
Data based on 79 selected snow courses



Soil Conservation Service, Salt Lake City, Utah

WATER SUPPLY OUTLOOK
BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER as of May 1 measurements range from 128% on the Upper Bear to 154% on Logan River. Five snow courses out of seven on Logan River have set new record high May 1 water content values.

PRECIPITATION at mountain stations ranged from 103% at Burts-Miller Ranch to 137% of the April average at Garden City Summit.

SOIL MOISTURE under the snow pack is near average and will improve as snow melt progresses.

RESERVOIR STORAGE is near average with Bear Lake at 91% of the May 1 average, Porcupine and Woodruff Narrows are full and Hyrum expected to fill very soon.

STREAMFLOW FORECASTS range from 123% of the April-July period average for the Bear at Utah-Wyoming line to 160% for the Little Bear near Paradise for the May-June period.

Peak flows are expected to be in the 120 to 160% of average range and precautions should be taken to protect property near stream channels.

All water users in this area are expected to have above average water supplies this year.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-1

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	134	123	May-July	92.1	109
Bear nr Woodruff	188	149	May-July	95.1	126
Woodruff Crk nr Woodruff, UT	20	126	May-July	--	16.3
Big Creek nr Randolph, UT	6.8	141	May-July	--	4.8b
Bear nr Randolph	133	145	May-July	--	92
Thomas Fork nr UT-WY State Ln	40	134	May-Sept	--	30
Smith's Fork nr Border, WY	147	131	May-Sept	--	112
Bear at Harer, Idaho 1/	336	124	May-Sept	--	271
Logan nr Logan 1/	132	126	May-July	57.5	104
Blacksmith Fork nr Hyrum	59	148	May-July	17.6	40
Little Bear nr Paradise	42	160	May-June	60	26
Cub River nr Preston, ID	62	126	May-Sept	--	49

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
BEAR RIVER	20	502	147
UPPER BEAR RIVER	6	398	128
LOWER BEAR RIVER	14	542	153
LOGAN RIVER	7	437	154

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average†
BEAR RIVER	Bear Lake	1421.0	1003.7	1070.2	1098.4
	Woodruff Narrows	55.7	56.8	45.5	25.7
LITTLE BEAR	Hyrum	15.3	10.2	15.7	13.4
	Porcupine	11.3	11.9	8.0	8.7

+ - 1963-77 15 year Average Period
e - estimasted

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	1150-1450	1016
Woodruff Creek nr Woodruff	310-450	239
Little Bear nr Paradise	610-770	507
Bear nr. Ut.-Wyo. Stateline	1770-2140	1600

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Burts-Miller Ranch	4/26	10	4.0	0.0	3.0
Cub River R.S.	4/25	1	0.6	0.0	0.0
Emigrant Summit	4/30	79	35.3	3.3	24.9
Franklin Basin	4/25	93	41.2	11.7	27.0
Hayden Fork	4/26	52	21.3	10.4	16.7
Klondike Narrows	4/25	62	28.4	0.2	16.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Little Bear Lower	4/25	10	4.9	0.0	2.1
Little Bear Upper	4/25	20	9.2	0.0	6.7
Monte Cristo	4/25	84	37.4	11.0	27.6
Salt River Summit	4/29	50	18.8	1.1	15.4
Stillwater Camp	4/26	36	12.3	4.3	10.2b
Tony Grove R.S.	4/25	30	14.4	0.0	3.8

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

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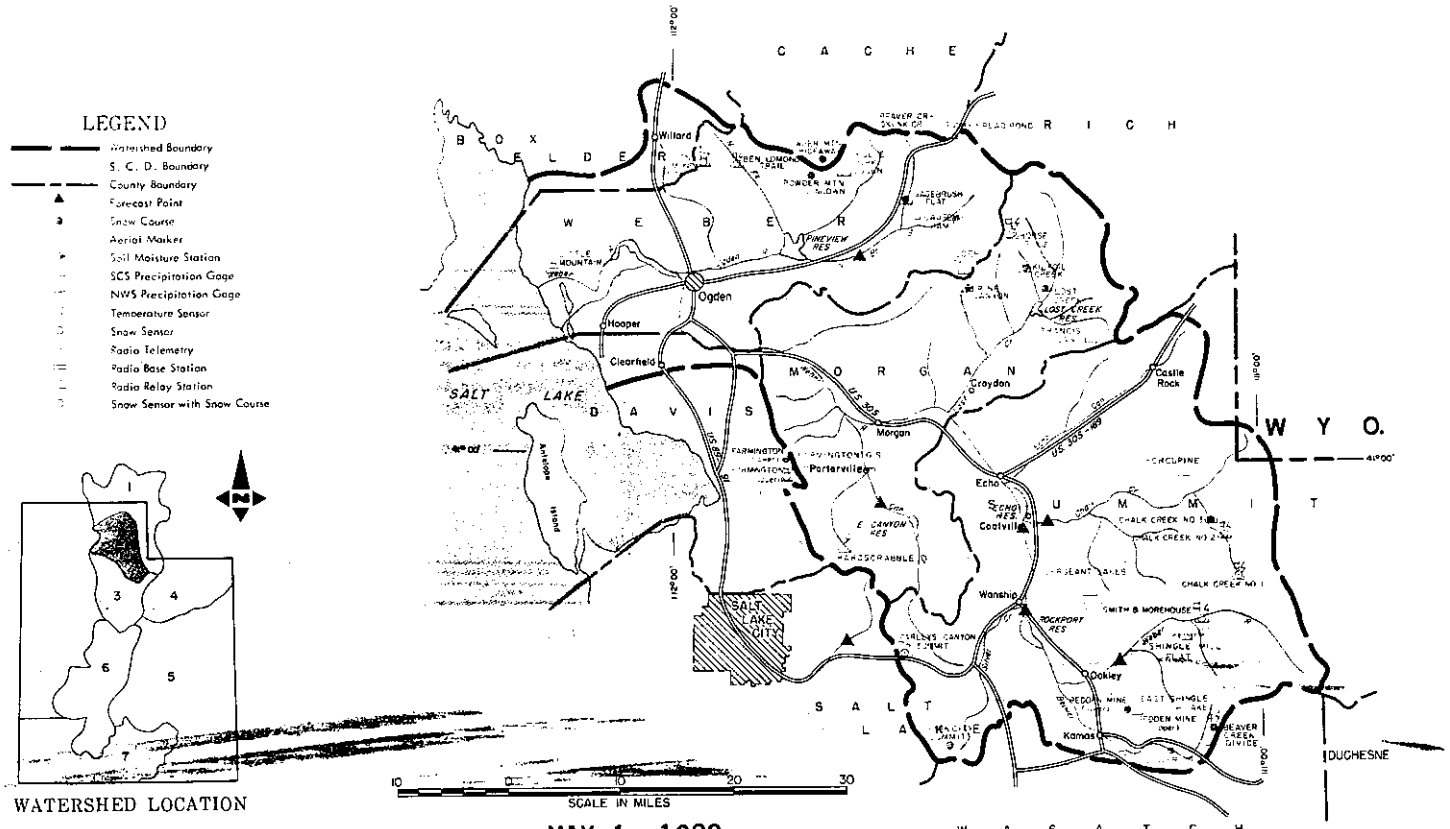
WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER on the Ogden River is still 151% of the May 1 average and about 5 times last May 1. Weber River snow water content is 139% of average and about 3 times a year ago. Horse Ridge snow course had a greater May 1 water content (31.6 inches) than in 1952 (30.9 inches) to set a new May 1 record. Snow melted slower than usual during April and heavier than usual amount remains at medium and higher elevations.

PRECIPITATION at mountain stations ranged from 55% of the April 15 year average at Farmington Lower to 147% at Causey Reservoir.

SOIL MOISTURE under the remaining snow pack is improving as the snow melts and is now better than average.

RESERVOIR STORAGE is near average except in Echo Reservoior where it is being held down to reduce the snow melt peak below the reservoir. All reservoirs are expected to fill this spring.

STREAMFLOR FORECASTS for the May-June period now range from 117% for Hardscrabble Creek to 176% for Chalk Creek.

Peak flows are expected to be 1 1/2 to 2 times average and precautions should be taken to protect equipment and property near stream channels. All water users are expected to have above average water supplies this season.

USDA-SCS PORTLAND, OR. 1981 M7-OL-22027-2

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	138	144	May-June	83.3	96
Rockport Reservoir Inflow 1/	155	158	May-June	80.7	98
Chalk Creek at Coalville	58	176	May-June	22.2	33
Weber nr Coalville	156	150	May-June	71.0	104
Lost Creek nr Croydon, UT	16.4	130	May-June	2.6	12.6
East Canyon Creek nr Morgan 1/	23	135	May-June	7.7	17.3
Hardscrabble Crk nr Porterville	17.2	117	May-June	--	14.7b
South Fork Ogden nr Huntsville	55	131	May-June	14.1	42
Pineview Reservoir Inflow 2/	102	134	May-June	26.3	76
Echo Reservoir Inflow	205	154	May-June	85.0	133
Weber at Gateway	376	158	May-June	120.5	238
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	9.7	140	May-July	4.0	6.9

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
OGDEN RIVER	5	515	151
WEBER RIVER	12	294	139

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
OGDEN	Causey	6.9	3.4	6.9	2.3
	Pineview	110.1	78.3	73.3	76.9
WEBER	East Canyon	48.1	35.8	42.4	33.1
	Echo	73.9	20.7	70.2	55.2
	Lost Creek	20.0	13.0	18.5	13.9
	Rockport	60.9	35.2	57.4	37.2
	Willard Bay	193.3	159.0	184.7	162.9

+ - 1958-72 15 year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Lost Creek nr Croydon	320-460	220
South Fork Ogden nr Huntsville	880-1180	772
Chalk Creek nr Coalville	790-1040	569
Weber nr. Oakley	2540-3120	1690

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Beaver Creek R.S.	4/26	8	4.0	0.0	4.8
Beaver Creek-Skunk Creek	4/25	28	11.8	0.0	7.1
Ben Lomond Peak	4/25	110	51.2	15.1	37.2
Ben Lomond Trail	4/25	34	17.1	0.0	7.7b
Chalk Creek #1	4/26	84	34.3	19.5	25.4
Chalk Creek #2	4/26	50	20.9	9.9	15.3
Chalk Creek #3	4/26	15	6.7	0.0	3.5
Dry Bread Pond	4/25	61	27.1	5.7	19.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Horse Ridge	4/25	68	31.6	5.9	20.8b
Lost Creek Reservoir	4/25	0	0.0	0.0	0.0
Monte Cristo	4/25	84	37.4	11.0	27.6
Parleys Canyon Summit	4/29	45	17.8	0.4	14.6
Sagebrush Flat	4/25	0	0.0	0.0	0.0
Smith & Morehouse	4/26	34	14.0	2.6	10.0
Trial Lake	4/26	94	39.1	17.4	26.1

e - estimated

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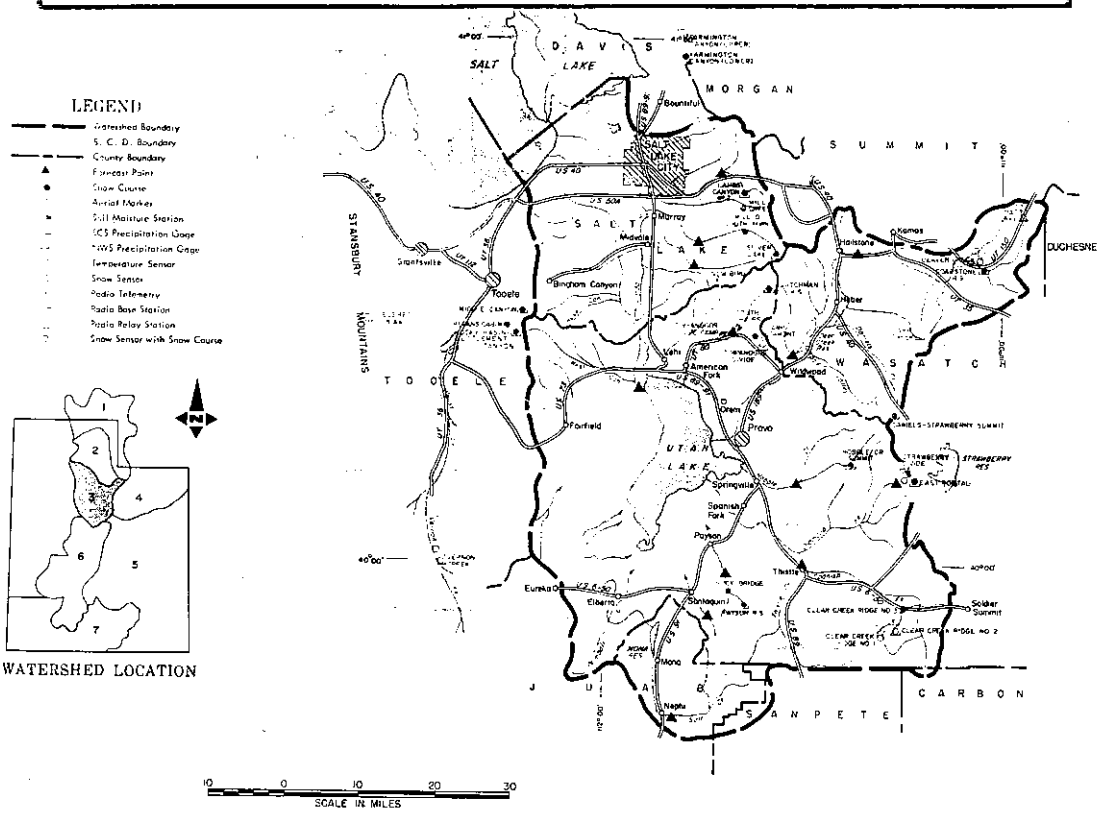
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 87% of the May 1 average in Tooele Valley to 150% on the Provo-Utah Lake Watershed. Jordan River-Salt Lake is 149% of the May 1 average.

PRECIPITATION at mountain stations ranged from 39% of the April average at Hobble Creek Summit to 162% at Timpanogos Divide.

SOIL MOISTURE is near average under the snow pack and improving as snow melt progresses.

RESERVOIR STORAGE is above average and all reservoirs are expected to fill.

STREAMFLOW FORECASTS for the May-July period now range from average on Vernon Creek to about twice average on American Fork. Utah Lake inflow is forecast 155% of the May-July average. The creeks above Salt Lake are forecast from 107% for City Creek to 167% for Mill Creek. Settlement Creek is forecast 114% and South Willow Creek 139% of the May-July average. Peak flows are expected to be above average and precautions should be taken to protect property near stream channels.

Average to better than average water supplies are expected for all water users this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-3

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	161	173	May-July		93
Provo below Deer Creek Dam 1/	175	177	May-July		99
American Fork nr American Fork	57	204	May-July		28
Hobble Creek nr Springville	23	160	May-July		14.4
Strawberry Reservoir Inflow 1/	67	160	May-July		42[b]
Spanish Fork at Thistle	50	166	May-July		30
Payson Creek nr Payson	6.5	127	May-July		5.1[b]
Utah Lake Inflow	269	155	May-July		174
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	44	124	May-July		36
Big Cottonwood nr SLC	46	135	May-July		34
Parley's Creek nr SLC	18.3	151	May-July		12.1
Mill Creek nr SLC	9.0	167	May-July		5.4
Emigration Creek nr SLC	3.5	121	May-July		2.9
City Creek nr SLC	3.1	107	May-July		2.9
TOOELE VALLEY					
Vernon Creek nr Vernon	0.5	100	May-June	0.5	0.5
Settlement Crk nr Tooele	2.4	114	May-July	--	2.1[b]
S. Willow Crk nr Grantsville	3.6	139	May-July		2.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PROVO RIVER & UTAH LAKE	11	546	150
JORDON RIVER & SALT LAKE	2	751	149
TOOELE VALLEY	3	256	87

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction
a - Estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
(a) - Maximum mean daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SPANISH FORK	Strawberry	270.0	193.0	227.2	166
UTAH LAKE	Utah Lake	883.9	936.7	871.6	775.5
	Settlement Creek	1.2		0.7	--
	Vernon Creek	0.6	0.6	0.6	--
PROVO	Deer Creek	149.7	125.7	140.4	115.1

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
American Fork	500-600	
Provo nr Hailstone	2200-2600	
Spanish Fork nr Thistle	700-900	
Big Cottonwood nr Salt Lake City	450-550	
Little Cottonwood nr Salt Lake City	500-600	
Mill Creek nr Salt Lake City	70-90	
Parley's Creek nr Salt Lake City	200-250	
Emigration Creek nr Salt Lake City	50-70	
City Creek nr Salt Lake City	90-110	
Stone Creek nr Bountiful	45-55	
Mill Creek nr Bountiful	50-70	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Bevans Cabin				0.0	5.9
Camp Altamont	5/1	21	11.7	0.0	7.7
Clear Creek #1	4/28	54	23.1	6.5	17.7
Clear Creek #2	4/28	39	15.5	1.1	10.5
Clear Creek #3	4/28	0	0.0	0.0	0.1
Daniels-Strawberry Summit	4/28	35	15.1	0.0	9.5
Deseret Peak	4/29	89	38.5	14.8	--
Dutchman R.S.	5/1	35	18.1	0.0	9.8
Hobble Creek Summit	4/28	25	11.8	0.0	7.7
Lambs Canyon #2	4/29	34	15.5	0.0	--
Middle Canyon	5/1	13	5.1	0.0	10.4
Mill Creek	4/30	64	27.4	8.9	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Mill D South Fork	4/30	51	23.6	0.0	16.2
Parley's Canyon Summit	4/29	45	17.8	0.4	14.6
Payson R.S.	4/26	47	21.4	4.7	15.8
Rocky Basin-Settlement Canyon	4/29	71	29.8	15.2	30.2
Silver Lake Brighton	4/30	84	41.7	8.7	27.6
Soapstone R.S.	4/26	32	13.2	0.0	7.9
South Fork R.S.	5/1	0	0.0	0.0	--
Timpanogos Divide	5/1	67	36.6	7.2	22.0
Trial Lake	4/26	94	39.1	17.4	26.1
Vernon Creek	5/1	8	3.1	0.0	4.0[b]

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

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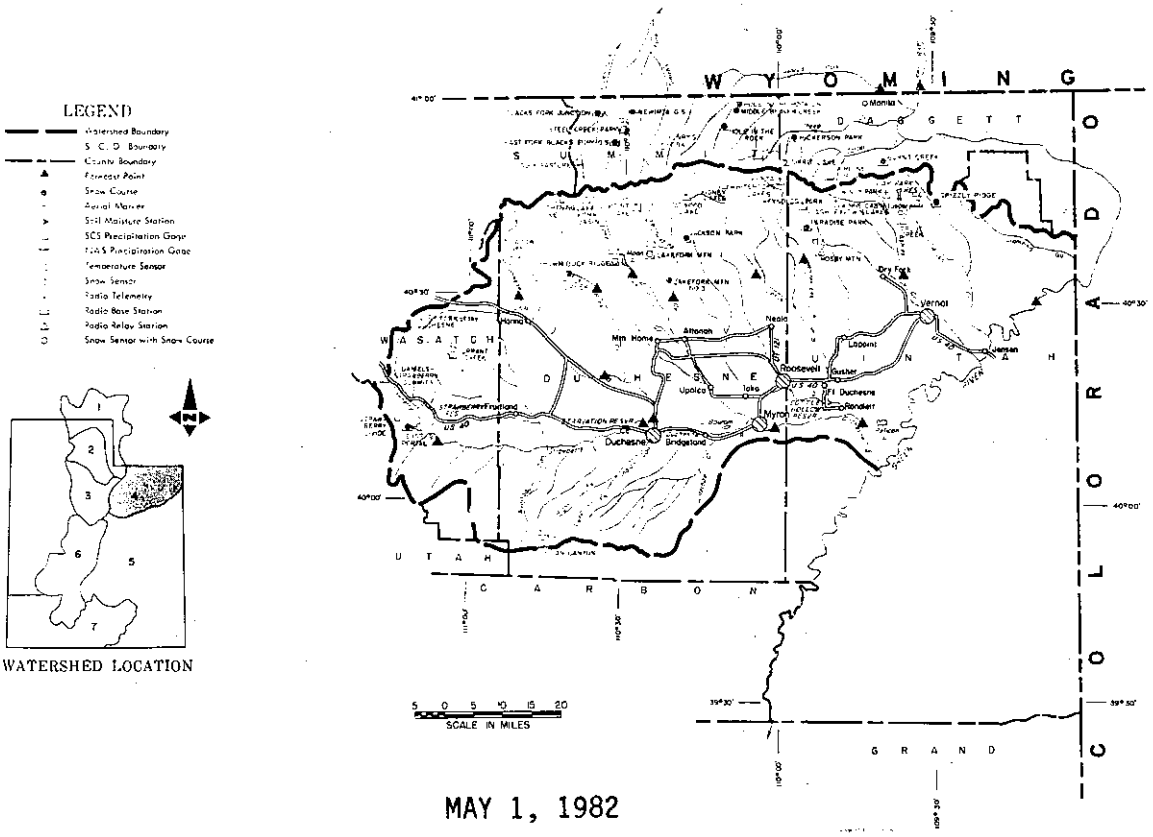

MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 115% of the May 1 average for Ashley Creek and Upper Green River in Utah to 188% for Strawberry River. Lakefork-Yellowstone Creeks are 135% of average, Uintah-Whiterocks 125% and Black's Fork 121% of the May 1 average for the 1963-77 period.

PRECIPITATION at mountain stations ranged from 31% of average at Indian Canyon to 114% at Rock Creek Ranch.

SOIL MOISTURE is better than average.

RESERVOIR STORAGE is near average and all reservoirs are expected to fill as run-off progresses.

STREAMFLOW FORECASTS for the May-July period range from average on Henry's Fork to 211% for the Duchesne at Myton. Lakefork is forecast 121%, Rock Creek 147%, Duchesne 151% at Tabiona, 144% at Duchesne, and 196% at Randlett. Ashley Creek is forecast 121%, Whiterocks 120%, Uintah 116% and Black's Fork 127% of the May-July average.

Peak flows are expected to range from near average on Ashley Creek (750-1250 cfs) to about twice average for the Strawberry at Duchesne (1200-1600 cfs). Precautions should be taken to protect property near stream channels.

All water users are expected to have average to better than average water

USDA SCS PORTLAND OR 1981 M7-OL-22027-4

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	148	151	May-July	63.3	98
Duchesne at Duchesne 1/	259	144	May-July	69.7	180
Strawberry at Duchesne	86	179	May-July	17.6	48
Rock Creek nr Mtn. Home	134	147	May-July	62.8	91
Currant Creek nr Fruitland	27	166	May-July	7.6	16.5
Lakefork below Moon Lake 1/	83	121	May-July	60.4	69
Yellowstone nr Altonah	74	118	May-July	43.3	63
Duchesne at Myton 1/	389	211	May-July	65.7	193
Whiterocks nr Whiterock	70	120	May-July	39.2	58
Uintah nr Neola	98	116	May-July	65.4	85
Duchesne at Randlett 1/	437	196	May-July	85.3	223
West Fork Duchesne at Hanna	37	154	May-July		24
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	49	100	May-Sept		49
Black's Fork at Millburne	114	127	May-July		90
Flaming Gorge Inflow 1/	1650	128	May-July		1292
Ashley Creek nr Vernal	60	121	May-July	30.8	49

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
DUCHESNE RIVER - TOTAL	11	332	147
LAKEFORK-YELLOWSTONE CREEKS	4	185	135
STRAWBERRY RIVER	4	--	188
UINTAH - WHITEROCKS RIVERS	3	160	125
ASHLEY CREEK	3	333	115
BLACK'S FORK	4	156	121
UPPER GREEN RIVER	9	193	115

1/ Observed flow corrected for change in storage and diversions
2/ Provisional flows - Subject to correction
a - Estimated

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
ASHLEY CREEK	Steinaker	33.3	25.5	30.1	23.7
GREEN RIVER	Flaming Gorge	3749.0	2636.4	2955.3	--
LAKE FORK	Moon Lake	35.8	17.7	17.7	19.0
STRAWBERRY	Starvation	165.3	123.9	165.3	
UINTAH	Bottle Hollow	11.3	11.0	11.3	--

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Strawberry at Duchesne	1200-1600	656
Ashley Creek nr Vernal	750-1250	1030
Rock Creek nr Mtn. Home	2030-2070	1432

c - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Brown Duck Ridge	4/27	84	31.3	14.6	20.2[a]
Currant Creek	4/28	14	5.5	0.0	2.3[b]
Daniels-Strawberry	4/28	35	15.1	0.0	9.5
Hewinta G. S.	4/26	40	11.4	7.7	10.4
Hickerson Park	4/27	25	8.1	4.5	5.9[b]
Jackson Park	4/27	54	16.4	10.5	--
Kings Cabin Upper	4/27	35	11.9	1.0	10.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Lakefork Mountain	4/27	47	14.7		11.9
Mosby Mountain	4/27	37	11.2		9.9
Paradise Park	4/27	60	20.8		14.3
Rock Creek Ranch	4/27	6	2.3		1.3[b]
Spirit Lake	4/27	52	18.3		15.5
Steel Creek Park	4/26	68	23.6		18.7
Strawberry Divide	4/30	53	22.2		--
Trout Creek	4/27	39	12.4		--

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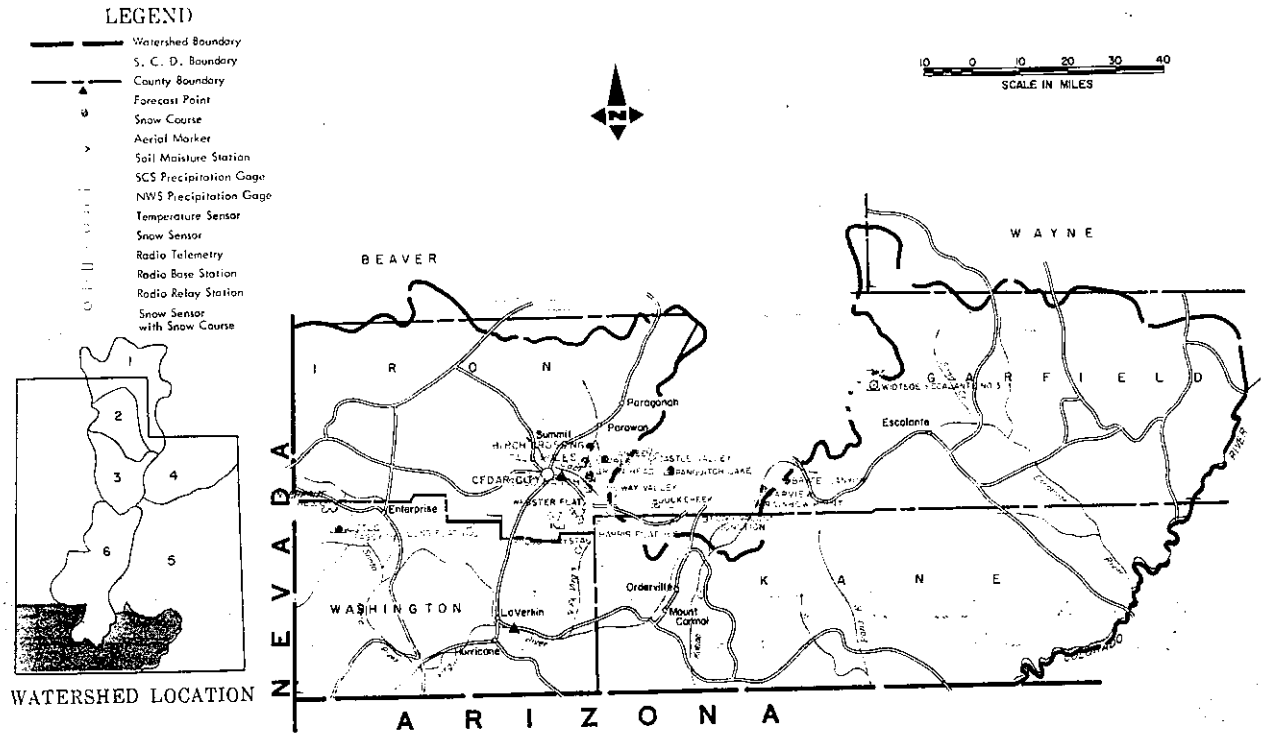
WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from no snow on Enterprise-New Harmony courses to 118% on Coal Creek. Virgin River was 117% of the May 1 average and Parowan Creek 105%.

PRECIPITATION at mountain stations ranged from 49% of the April average at Tall Poles on Parowan Creek to 121% at Long Flat above New Harmony.

SOIL MOISTURE is below average but improving as snow melts at higher elevations.

RESERVOIR STORAGE is near average with Gunlock and Baker reported as full and Upper Enterprise about 1/2 full and Lower Enterprise about 3/4 full.

STREAMFLOW FORECASTS range from 48% for the Santa Clara to 125% for Lake Powell inflow. Coal Creek is forecast 102% of the May-July average and the Virgin River 61% at Hurricane.

Late season water shortages may occur in this area on streams without adequate reservoir storage.

Snow melt peak flows are not expected to cause problems in this area this season.

USDA SCS PORTLAND, OR 1981 M7-OL-22027-7

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
VIRGIN RIVER					
Virgin nr Hurricane	19	61	May-June		30
Santa Clara nr Pine Valley	1.3	48	May-June		2.7
COAL CREEK					
Coal Creek nr Cedar City	14.5	102	May-July		14.2
UPPER COLORADO					
Lake Powell Inflow	8700.0	125	May-July		6952

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
COAL CREEK	3	172	118
VIRGIN RIVER	3	187	117
PAROWAN CREEK	4	295	105
ENTERPRISE - NEW HARMONY	2	--	--

2 - Provisional Flows - Subject to correction
a - Estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average +
COLORADO	Lake Powell	25002.0	19859.0	21512.0	--
	Blue Mesa	829.5	237.7	390.0	

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Coal Creek nr Cedar City		
Virgin nr Virgin		

c - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Birch Crossing	4/29	0	0.0	0.0	2.5[b]
Brian Head	4/26	61	23.8	13.7	20.8[b]
Harris Flat	4/27	0	0.0	0.0	2.1
Kolob-Crystal	4/27	51	21.4	12.2	22.5[a]
Little Grassy	4/27	0	0.0	0.0	0.2
Long Flat	4/27	0	0.0	0.0	2.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Long Valley Junction	4/27	0	0.0	0.0	0.0
SUSC Ranch	4/29	0	0.0	0.0	2.5[b]
Tall Poles	4/29	31	12.2	1.5	12.3[b]
Webster Flat	4/27	40	21.1	10.5	13.8
Yankee Reservoir	4/26	23	7.8	0.0	7.0

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
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COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

WATER IS THE WEST'S GREATEST RESOURCE

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U. S. DEPARTMENT OF AGRICULTURE
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U.S. MAIL

FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (Inches): Last Year	PAST RECORD: Water Content (Inches): Average †
GREAT BASIN					
UPPER BEAR RIVER (Above Harer, Idaho)					
Burts-Miller Ranch	4/26	10	4.0	0.0	3.0
CCC Camp	4/30	35	13.0	0.0	10.4
Hayden Fork	4/26	52	21.3	10.4	16.7
Monte Cristo R.S.	4/25	84	37.4	11.0	27.6
Salt River Summit	4/29	50	18.8	1.1	15.4
Stillwater Camp	4/26	36	12.3	4.3	10.2[b]
Lily Lake	4/26	52	20.0	10.3	--
LOWER BEAR RIVER (Below Harer, Idaho)					
Bug Lake	4/25	70	30.6	6.5	19.2[a]
Cub River R.S.	4/25	1	0.6	0.0	0.0
Emigrant Summit	4/30	79	35.3	3.3	24.9
Franklin Basin	4/25	93	41.2	11.7	27.0[a]
Garden City Summit	4/25	58	24.5	4.2	18.5
Klondike Narrows	4/25	62	28.4	0.2	16.8
Little Bear (lower)	4/25	10	4.9	0.0	2.1
Little Bear (upper)	4/25	20	9.2	0.0	6.7
Slug Creek Divide	4/29	51	21.2	0.0	17.0[e]
Steep Hollow #1	4/25	133	56.9	20.7	40.8
Steep Hollow #2	4/25	88	40.8	8.8	25.2
Tony Grove Lake	4/25	121	54.5	14.0	37.6[a]
Tony Grove R.S.	4/25	30	14.4	0.0	3.8
Willow Flat	4/25	28	13.7	0.0	5.5[b]
OGDEN RIVER					
Beaver Creek-Skunk Creek	4/25	28	11.8	0.0	7.1
Ben Lomond Peak	4/25	110	51.2	15.1	37.2
Ben Lomond Trail	4/25	34	17.1	0.0	7.7[b]
Causey Dam	4/25	0	0.0	0.0	--
Dry Bread Pond	4/25	61	27.1	5.7	19.0
Sagebrush Flat	4/25	0	0.0	0.0	0.0
WEBER RIVER					
East Shingle Lake (A)				13.0	--
Beaver Creek R. S.	4/26	8	4.0	0.0	1.3
Chalk Creek #1	4/26	84	34.3	19.5	25.4
Chalk Creek #2	4/26	50	20.9	9.9	15.3
Chalk Creek #3	4/26	15	6.7	0.0	3.5
Farmington Canyon (lower)	4/24	64	29.3	13.6	22.5[b]
Farmington Canyon (upper)	4/24	96	41.5	19.9	33.3[b]
Farmington G.S.	4/24	67	30.8[a]	7.7[a]	--
Horse Ridge	4/25	68	31.6	5.9	20.8[b]
Kilfoil Creek	4/25	45	19.2	1.3	10.3[b]
Lost Creek Reservoir	4/25	0	0.0	0.0	0.0[b]
Park City Summit	4/30	78	37.3	20.0	--
Parley's Canyon Summit	4/29	45	17.8	0.4	14.6
Redden Mine (lower)	4/26	55	24.6	10.0	18.3
Smith & Morehouse	4/26	34	14.0	2.6	10.0
Sargeant Lake (A)	5/5	24	9.8	4.4	--
Hardscrabble	4/24	41	20.0		--
Pine Canyon	4/25	47	20.6		--
PROVO RIVER & UTAH LAKE					
Beaver Creek Divide	4/26	26	11.1	0.0	8.7[a]
Camp Altamont	5/1	21	11.7	0.0	7.7
Clear Creek Ridge #1	4/28	54	23.1	6.5	17.7
Clear Creek Ridge #2	4/28	39	15.5	1.1	10.5
Clear Creek Ridge #3	4/28	0	0.0	0.0	0.1
Dutchman R.S.	5/1	35	18.1	0.0	9.8
Hobble Creek Summit	4/28	25	11.8	0.0	7.7
Payson R.S.	4/26	47	21.4	4.7	15.8
Soapstone R.S.	4/26	32	13.2	0.0	7.9
South Fork R.S.	5/1	0	0.0	0.0	--
Timpanogos Cave Camp	5/1	0	0.0	0.0	--
Timpanogos Divide	5/1	67	36.6	7.2	22.0
Trial Lake	4/26	94	39.1	17.4	26.1

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average †	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average †	FROM APPROX. OCT 1 TO DATE: Percent of Average
GREAT BASIN						
UPPER BEAR RIVER (Above Harer, Idaho)						
Burts-Miller Ranch	4/26	2.73	2.66[b]	15.01	14.66[b]	102
CCC Camp						
Hayden Fork	4/26	5.42	4.08[b]	33.65	24.14[b]	139
Monte Cristo R.S.	4/25	6.15	5.22	40.96	31.17	131
Salt River Summit	3/30	4.62[a]	2.53	25.24[a]	19.76	
Stillwater Camp	4/26	4.07	3.40	22.38	15.79	142
Lily Lake	4/26	4.49	--	25.56	--	--
LOWER BEAR RIVER (Below Harer, Idaho)						
Bug Lake	4/25	4.69[a]	--	33.89[a]	--	--
Cub River R.S.						
Emigrant Summit						
Franklin Basin	4/25	11.19[a]	--	51.39[a]	--	--
Garden City Summit	4/25	4.25	3.10	28.47[a]	22.33	127
Klondike Narrows	4/25	4.83	3.75[b]	35.09	27.60[b]	127
Little Bear (lower)						
Little Bear (upper)	4/25	2.81[a]	--	37.21[a]	--	--
Slug Creek Divide						
Steep Hollow #1						
Steep Hollow #2						
Tony Grove Lake	4/25	14.75[a]	--	67.15[a]	--	--
Tony Grove R.S.	4/25	3.92	--	31.84	--	--
Willow Flat	4/25	4.79	4.62[b]	39.19	27.51	142
OGDEN RIVER						
Beaver Creek-Skunk Creek						
Ben Lomond Peak						
Ben Lomond Trail	4/25	3.71	5.38[b]	39.95	34.12[b]	117
Causey Dam	4/25	3.73	2.42[b]	24.41	16.64	147
Dry Bread Pond	4/25	4.20[a]	4.44[b]	30.50[a]	25.28	121
Sagebrush Flat	4/25	molested	2.48[b]		16.83	
WEBER RIVER						
East Shingle Lake (A)						
Beaver Creek R. S.						
Chalk Creek #1	4/26	8.62[a]	--	41.62[a]	--	--
Chalk Creek #2	4/26	4.50[a]	--	26.30[a]	--	--
Chalk Creek #3	4/26	4.13	3.45[b]	23.79	17.39[b]	137
Farmington Canyon (lower)	4/24	3.45	6.29[b]	43.77	33.92	129
Farmington Canyon (upper)	4/24	5.12[a]	--	53.22[a]	--	--
Farmington G.S.	4/24	3.60	6.16[b]		33.24[b]	
Horse Ridge	4/25	5.50	4.74[b]	--	28.38	
Kilfoil Creek						
Lost Creek Reservoir	4/25	1.73	--	18.90	--	
Park City Summit						
Parley's Canyon Summit	4/29	4.31	5.03	35.85	27.58	130
Redden Mine (lower)	4/26	4.26	--	33.66	--	
Smith & Morehouse	4/26	4.42	4.26	24.97	22.01	113
Sargeant Lake (A)						
Hardscrabble						
Pine Canyon						
PROVO RIVER & UTAH LAKE						
Beaver Creek Divide	4/26	7.31[a]	--	32.11[a]	--	
Camp Altamont						
Clear Creek Ridge #1			2.60[a]		29.80[a]	
Clear Creek Ridge #2	4/28	2.90	3.31[b]	24.22	19.37[b]	125
Clear Creek Ridge #3						
Dutchman R.S.	5/1	4.75	4.17[b]	--	24.99	--
Hobble Creek Summit	4/28	1.26	3.20		20.39	
Payson R.S.	4/26	3.70[a]	3.58	29.00[a]	21.53	135
Soapstone R.S.	4/26	3.45	3.57	27.23	19.79	138
South Fork R.S.						
Timpanogos Cave Camp						
Timpanogos Divide	5/1	7.00	4.30	46.35	29.39	158
Trial Lake	4/26	5.45	4.89	42.69	28.73	149

† 1948-1972 period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches) CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches) Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin				0.0	5.9						
Lamb's Canyon #2	4/29	34	15.5	0.0	--	4/29	3.62	--	34.42	--	--
Middle Canyon	5/1	13	6.0	0.0	10.4	5/1	4.55	4.28[b]	32.35	20.20	160
Mill Creek	4/30	64	27.4	8.9	--						
Mill D South Fork	4/30	51	23.6	0.0	16.2						
Mt. Dell Dam											
Rock Basin-Settlement	4/29	71	29.8	15.2	30.2	4/29	2.23	5.36[b]	39.74	29.27	135
Silver Lake (Brighton)	4/30	84	41.7	8.7	27.6						
Snow Bird (Gad Valley)											
Vernon Creek	5/1	8	3.1	0.0	4.0[b]	5/1	2.60	2.58[b]	25.82	17.85	145
Deseret Peak	4/29	89	38.5	--	--	4/29	1.79		49.24		
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	4/27	42	15.2	5.5	12.1	4/27	1.65	2.99	21.30	16.88	126
Bryce Canyon	4/29	0	0.0	0.0							
Castle Valley	4/26	33	11.1	2.7	7.2	4/26	3.09	3.24	21.84	17.13	127
Duck Creek R.S	4/27	30	12.0	0.0	7.8	4/27	4.26	3.11	27.91	19.64	142
Farview	4/29	0	0.0	0.0							
Harris Flat	4/27	0	0.0	0.0	2.1	4/27	1.40[a]		16.80[a]		
Kimberly Mine	4/26	43	17.7	8.3	15.8	4/26	3.56	4.44[b]	27.68	22.61	122
Midway Valley	4/27	58	23.4	15.3	21.5	4/27	3.60[a]		30.80[a]		
Panguitch Lake	4/26	0	0.0	0.0	0.8	4/26	1.70	1.50	13.37	9.39	142
Rainbow Point	4/26			0.0							
Squaw Springs	4/27	18	7.2	0.0	4.6						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	4/27	16	7.2	0.0	7.4	4/27	0.83	3.27	21.96	16.34	134
Farnsworth Lake	4/27	57	22.6	14.8	22.2	4/27	1.23	4.69	28.79	24.25	119
G.B.R.C. Headquarters	4/28	42	17.1	8.0	16.1	4/28	1.26	4.26	26.37	22.55	117
G.B.R.C. Majors						5/1	0.85	2.15[b]	15.44	10.66	145
G.B.R.C. Meadows	4/28	73	31.7	14.7	25.1	4/28	1.84	5.17	36.47[a]	26.84	136
G.B.R.C. Oaks						5/1		3.01	18.30	14.88	123
Gooseberry R.S.	4/27	25	10.4	2.6	10.2	4/27	0.74	3.61	20.02	16.52[b]	121
Mammoth-Cottonwood Creek	4/28	58	27.4	8.0	19.1	4/28	3.56[a]		35.96[a]		
Mt. Baldy R.S.	4/27	76	31.3	13.6	24.2			3.93		20.83	
Oak Creek	4/26	25	8.2	0.0	9.6[b]	4/26	3.43	3.83[b]	25.31	19.79[b]	128
Pickle Keg Springs	4/27	39	17.2	6.0	15.1[b]	4/27	2.00[a]		28.70[a]		
Pine Creek	4/26	29	12.6	7.1	13.6	4/26	4.72	5.88	33.71	29.35	115
Ree's Flat	4/26	32	14.0	4.1	--	4/26	2.56		24.51		
Shingle Mill	4/30	0	0.0	0.0	3.2[b]	4/30	1.52	3.87[b]	23.69	19.55	121
Gooseberry Reservoir						4/28	1.52	3.60	32.41	21.71	149
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track											
Big Flat	4/26	70	25.4	15.4	18.6	4/26	2.91	3.47	28.33[a]	19.00	149
Merchant's Valley (upper)	4/26	19	7.3	0.0	5.9[b]	4/26	2.84	2.96[b]	22.01	17.21	128
Otter Lake	4/26	50	18.9	8.6	12.1						
PAROWAN CREEK											
Birch Crossing	4/29	0	0.0	0.0	2.5[b]						
Brian Head	4/26	61	23.8	13.7	20.8[b]						
Tall Poles	4/29	31	13.2	1.5	12.3[b]	4/29	1.70	3.48[b]	22.00	18.37[b]	120
Yankee Reservoir	4/26	23	7.8	0.0	7.0	4/26	2.31	3.01	19.57	15.14	129
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	4/27	0	0.0	0.0	0.2	4/27	2.00	1.80	15.93	16.29	98
Long Flat	4/27	0	0.0	0.0	2.3	4/27	2.74	2.27	15.34	13.90	110
COAL CREEK											
Cedar City Golf Course	4/29	0	0.0	0.0	--						
SUSC Ranch	4/29	0	0.0	0.0	2.5[b]						

† 1958-1972 period

SNOW

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COLORADO RIVER DRAINAGE					
UPPER GREEN RIVER - UTAH					
Ashley-Twin Lakes (A)	5/5	60	21.0	11.6	16.4[b]
Black's Fork G.S.-East Fork	4/26	42	12.7	7.8	9.9
Black's Fork Junction	4/26	36	10.0	4.3	8.7
Buck Pasture (A)	5/5	51	20.4	3.9	--
Burnt Creek	4/29	3	0.9	0.0	3.4[b]
Grizzly Ridge	4/29	28	9.4	0.1	10.0[b]
Hewinta G.S.	4/26	40	11.4	7.7	10.4
Hickerson Park	4/27	25	8.1	4.5	5.9[b]
King's Cabin (upper)	4/27	35	11.9	1.0	10.3
Reynolds Park (A)				8.6	--
Spirit Lake	4/27	52	18.3	12.5	15.5
Steel Creek Park	4/26	68	23.6	17.1	18.7
Trout Creek	4/27	39	12.4	1.6	--
Henrys Fork (A)	5/5	43	15.0	7.7	--
DUCHESNE RIVER					
Atwood Lake (A)				8.1	
Brown Duck Ridge	4/27	84	31.3	14.6	20.2[a]
Chepeta	4/27	54	18.8	10.0	--
Currant Creek	4/28	14	5.5	0.0	2.3[b]
Daniels-Strawberry Summit	4/28	35	15.1	0.0	9.5
East Portal	4/30	22	10.5	0.0[a]	4.4[b]
Five Points Lake (A)				13.3	--
Indian Canyon	4/28	31	12.0	0.7	10.9
Jackson Park	4/27	54	16.4	10.5	14.4[a]
Lakefork Basin (A)				10.7	--
Lakefork Mountain #1	4/27	47	14.7	8.8	11.9
Lakefork Mountain #3	4/27	0	0.0	0.0	2.1
Lightning Lake (A)				15.0	--
Mosby Mountain	4/27	37	11.2	7.1	9.9
Paradise Park	4/27	60	20.8	12.7	14.3
Rock Creek Ranch	4/27	6	2.3	0.0	1.3[b]
Strawberry Divide	4/30	53	22.2	0.0[a]	12.2[a]
PRICE RIVER					
Dry Valley Divide Alternate	4/28	20	8.2	0.0	
Mud Creek	4/28	37	15.2	0.0	7.9
White River #1	4/28	36	15.7	0.0	10.5
White River #3	4/28	0	0.0	0.0	1.0[b]
SAN RAFAEL RIVER					
Buck Flat	4/27	56	24.2	4.6	15.4
Huntington-Horseshoe	4/28	63	28.0	14.9	--
Orange Olsen	4/28	0	0.0	0.0	--
Red Pine Ridge	4/28	49	20.2	3.2	14.8
Seeley Creek R.S.	4/28	50	19.6	7.0	17.2
Stuart R.S.	4/28	15	6.4	0.0	1.8
Upper Joe's Valley	4/28	26	10.0	0.0	5.7
Wrigley Creek	4/27	30	12.0	0.0	8.1
MUDDY RIVER					
Black's Fork	4/27	39	16.8	2.4	--
Dill's Camp	4/27	38	15.3	0.0	9.9[a]
FREMONT RIVER					
Black's Flat-U.M. Creek	4/27	31	11.8	1.1	8.8
Fish Lake	4/27	19	7.0	0.0	5.4
Johnson Valley	4/27	16	6.1	0.0	4.4

PRECIPITATION (Inches)

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COLORADO RIVER DRAINAGE						
UPPER GREEN RIVER - UTAH						
Ashley-Twin Lakes (A)						
Black's Fork G.S.-East Fork	4/26	3.15	3.35	19.55	15.29	128
Black's Fork Junction	4/26	3.41	3.08	19.33	14.70	131
Buck Pasture (A)						
Burnt Creek	4/29	1.50	3.06[b]	13.20	12.07[b]	109
Grizzly Ridge	4/29	2.00	3.25[b]	19.50	16.69[b]	117
Hewinta G.S.	4/26	3.25	3.59	20.48	16.15	127
Hickerson Park	4/27	2.55	3.56[b]	12.34	12.97	95
King's Cabin (upper)	4/27	2.12	2.95	18.06	14.58	124
Reynolds Park (A)						
Spirit Lake	4/27	3.43	4.94[b]	22.64	18.55	122
Steel Creek Park	4/26	3.42		24.32		
Trout Creek	4/27	2.40		15.75		
Henrys Fork (A)						
DUCHESNE RIVER						
Atwood Lake (A)						
Brown Duck Ridge	4/27	3.24		30.56		
Chepeta	4/27	3.00[a]		23.20[a]		
Currant Creek	4/28	2.01	2.41[b]	27.67	16.20	171
Daniels-Strawberry Summit	4/28	3.51	3.28	30.79	21.09	146
East Portal	4/30	1.63		29.22		
Five Points Lake (A)						
Indian Canyon	4/28	0.84	2.68	21.36	15.46	138
Jackson Park	4/27	2.77		31.62		
Lakefork Basin (A)						
Lakefork Mountain #1	4/27	3.00[a]	3.08	21.88[a]	15.70	139
Lakefork Mountain #3						
Lightning Lake (A)						
Mosby Mountain	4/27	1.56[a]	3.18[b]	25.32[a]	15.18	167
Paradise Park	4/27	2.15	3.91	24.19	16.96	143
Rock Creek Ranch	4/27	2.58	2.27	19.31	13.20	146
Strawberry Divide	4/30	3.25[a]		46.05[a]		
PRICE RIVER						
Dry Valley Divide Alternate						
Mud Creek	4/28	1.16	2.96	22.06[a]	17.21	128
White River #1	4/28	2.08	2.84	23.95	16.06	149
White River #3						
SAN RAFAEL RIVER						
Buck Flat	4/27	1.10	3.24	29.60[a]	20.45	145
Huntington-Horseshoe						
Orange Olsen	4/28	0.39	1.13[b]	13.40	8.53	157
Red Pine Ridge	4/28	1.52	3.60	31.19	23.39	133
Seeley Creek R.S.	4/28	0.15[a]		23.45[a]		
Stuart R.S.	4/28	0.45	2.15	17.11	13.77	124
Upper Joe's Valley						
Wrigley Creek						
MUDDY RIVER						
Black's Fork						
Dill's Camp	4/27	0.88	--	26.68	--	
FREMONT RIVER						
Black's Flat-U.M. Creek	4/27	1.19	2.65	18.29[a]	14.75	124
Fish Lake	4/27	0.67	2.16	13.88[a]	11.34	122
Johnson Valley						

† 1958-1972 period

USDA-SCS-PORTLAND, OR. 1977 M7-0-22027.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (inches)	THIS YEAR: Water Content (inches)	PAST RECORD: Water Content (inches): Last Year	PAST RECORD: Water Content (inches): Average +
SOUTHEASTERN UTAH DRAINAGES					
Buckboard Flat	4/28	6	2.1	0.0	7.1
Camp Jackson	4/29	4	1.6	0.0	5.8
LaSal Mountain (lower)	4/28	0	0.0	0.0	4.3
LaSal Mountain (upper)	4/28	24	8.2	5.2	12.6
Monticello City Park				0.0	
ESCALANTE RIVER					
Widtsoe-Escalante #3	4/27	38	12.2	6.5	9.0
VIRGIN RIVER					
Kolob-Crystal	4/27	51	21.4	12.2	22.5[a]
Long Valley Junction	4/27	0	0.0	0.0	
Webster Flat	4/27	40	21.1	10.5	13.8

PRECIPITATION (Inches)

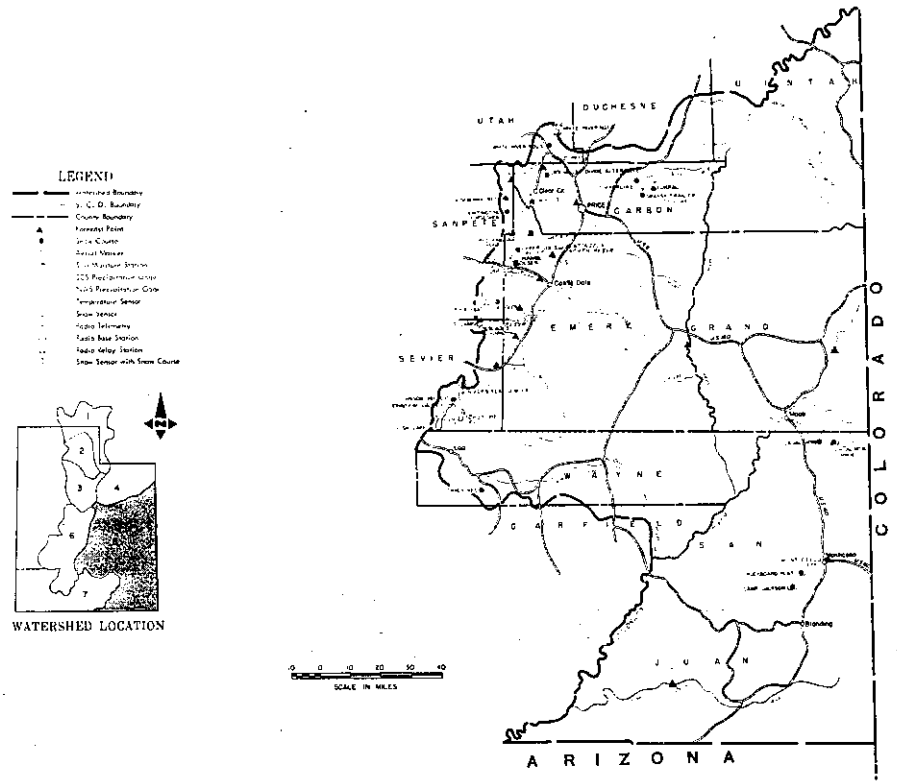
DRAINAGE BASIN and/or SNOW COURSE NAME	CURRENT INFORMATION: Date of Reading	CURRENT INFORMATION: Month's Precipitation	CURRENT INFORMATION: Average +	FROM APPROX. OCT 1 TO DATE: This Year	FROM APPROX. OCT 1 TO DATE: Average +	FROM APPROX. OCT 1 TO DATE: Percent of Average
SOUTHEASTERN UTAH DRAINAGES						
Buckboard Flat	4/28	1.70	2.75	19.55	20.89	94
Camp Jackson	4/28	1.63	2.42	18.18	19.20	95
LaSal Mountain (lower)						
LaSal Mountain (upper)	4/28	1.60	2.99	21.33	17.17	124
Monticello City Park						
ESCALANTE RIVER						
Widtsoe-Escalante #3	4/27	2.57	3.14	18.85	15.21	124
VIRGIN RIVER						
Kolob-Crystal	4/27	4.90[a]		29.50[a]		
Long Valley Junction						
Webster Flat	4/27	3.86	3.81	29.40	23.08	127

a - Partly Estimated
b - Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

+ 1958-1972 period

WATER SUPPLY OUTLOOK
CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER as of May 1 ranged from 29% of average on Blue Mountains to 159% of average on Price River. San Rafael is 147% of average, Fremont 134%, and LaSal Mountains 49%.

PRECIPITATION at mountain stations ranged from 21% of the April average at Stuart Ranger Station on Huntington Creek to 73% at White River #1 on Price River. Most other stations were 1/3 to 1/2 the April average.

SOIL MOISTURE under the snow pack is near average.

RESERVOIR STORAGE is near average and all reservoirs are expected to fill with the exception of Ken's Lake which may not fill if below average precipitation occurs during the next three months.

STREAMFLOW FORECASTS range from 58% of the May-July average for Mill Creek to 210% for Muddy Creek. All other streams are forecast 122 to 195% of the May-July average.

Peak flows on the San Rafael are expected to be 1-1/2 to 2 times average and precautions should be taken to protect property near stream channels.

All water users are expected to have above average water supplies except from streams on the Blue and LaSal Mountains where shortages are expected if

USDA-SCS-PORTLAND, OR. 1981 M7-01-22027-5

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	14	149	May-July		9.4
Scofield Reservoir Inflow	53	169	May-July		31
Price nr Heiner 1/	87	167	May-July		52
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	66	156	May-July		42
Cottonwood Crk nr Orangeville	67	164	May-July	26.7	41[b]
Ferron Creek nr Ferron	62	195	May-July	17.3	32
MUDDY CREEK					
Muddy Creek nr Emery	33	210	May-July	7.6	15.5
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3300.0	122	May-July		2716
Green at Green River, UT	3950.0	132	May-July		2974
Mill Creek nr Moab	2.5	58	May-July	2.7	4.3[b]
Navajo Reservoir Inflow	760	125	May-July		608
San Juan nr Bluff, UT	1050.0	121	May-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.1	125	May-July	2.9	5.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
PRICE RIVER	3	--	159
SAN RAFAEL RIVER	6	624	147
FREMONT RIVER	3	--	134
LASAL MOUNTAINS	2	158	49
BLUE MOUNTAINS	2	--	49

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction
a - Estimated
b - Average of all past record - less than 15 years
+ - 1963-77 15 Year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average †
PRICE RIVER	Scofield	65.8	43.2	55.1	36.9
SAN RAFAEL	Huntington North	3.9	3.3	5.4	3.9[b]
	Joe's Valley	54.6	31.9	46.6	39.1[b]
	Mill Site	16.7	8.5	11.7	--
	Ken's Lake	2.7	1.1	0.9	--
SAN JUAN	Navajo	1696.0	1283.9	1246.0	--

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average †
Ferron Creek near Ferron	610-910	422%
Muddy Creek near Emery	220-350	154%

c - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
Buck Flat	4/27	56	24.2	4.6	15.4
Buckboard Flat	4/28	6	2.1	0.0	7.1
Camp Jackson	4/29	4	1.6	0.0	5.8
Dills Camp	4/27	38	15.3	0.0	9.9[a]
Dry Valley Divide Alternate	4/28	20	8.2	0.0	--
Huntington-Horseshoe	4/28	63	28.0	14.9	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average †
LaSal Upper	4/28	24	8.2	5.2	12.6
Mammoth-Cottonwood R.S.	4/28	58	27.4	8.0	19.1
Monticello City Park				0.0	--
Mud Creek	4/28	37	15.2	0.0	7.9
Seeley Creek	4/28	50	19.6	7.0	17.2
White River #1	4/28	36	15.7	0.0	10.5
White River #3	4/28	0	0.0	0.0	1.0[b]

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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

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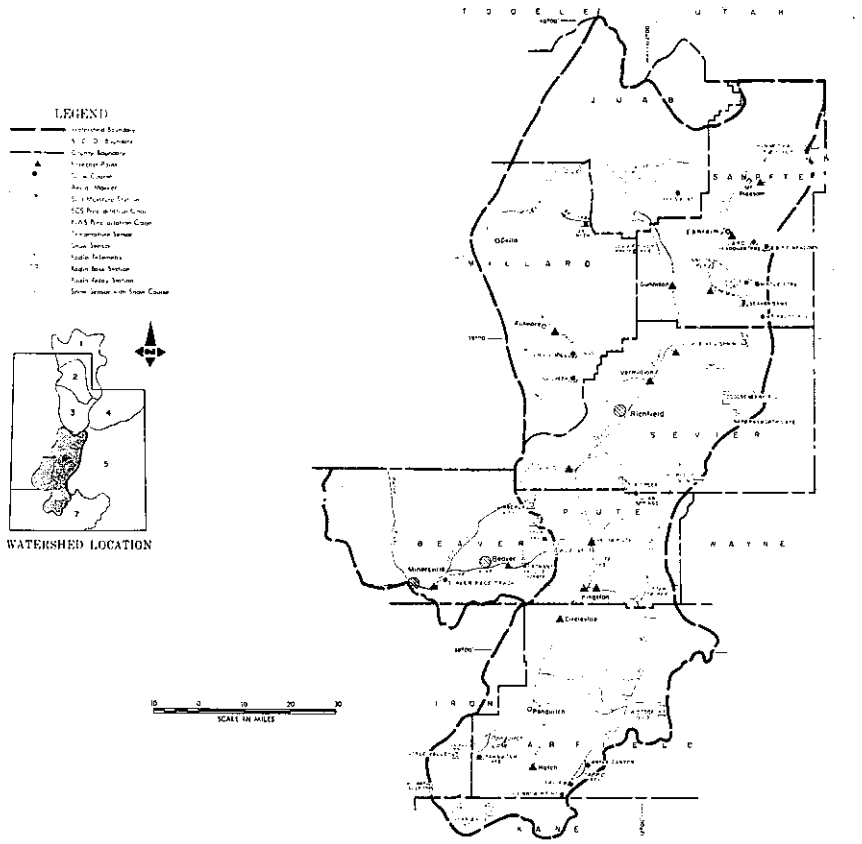
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER ranges from 112% of the May 1 average on the Lower Sevier to 135% on the East Fork Sevier. The South Fork is 116% of the May 1 average.

PRECIPITATION at mountain stations ranged from 20% of the April average at Gooseberry Ranger Station to 137% at Duck Creek Ranger Station.

SOIL MOISTURE is near average under the snow pack.

RESERVOIR STORAGE is above average. Gunnison and Otter Creek are full and Piute and Sevier Bridge are expected to fill unless heavy early water use exceeds the inflow.

STREAMFLOW FORECASTS range from 105% of the May-July average on East Fork Sevier to 305% for the inflow to Minersville for the May-June period.

Peak flows are expected to be about 1-1/2 to 2 times average on Salt Creek, Chicken Creek, Salina Creek, and the Beaver River and precautions should be taken to protect property near stream channels.

Near average to above average water supplies are expected for all users this season.

USDA-SCS-PORTLAND, OR. 1981 M7-OL-22027-6

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
SEVIER RIVER					
Sevier at Hatch	43	122	May-July		35
Sevier nr Circleville	37	161	May-July		23
Sevier nr Kingston	23	135	May-July		16.9
Antimony Crk nr Antimony	7.7	135	May-July		5.7[b]
East Fork Sevier nr Kingston1/	10.9	105	May-July		10.5
Sevier below Piute Dam	30	112	May-July		27
Clear Crk nr Sevier (abv Div)	21	136	May-July		15.3
Sigurd to Gunnison	47	137	May-July		21.7
Kingston to Vermillion Dam	75	133	May-June		56
Vermillion Dam to Gunnison	47	137	Mar-June		35
Salina Creek at Salina	163	157	May-June		10.4
Sevier nr Gunnison	50	132	May-July		38
Chalk Creek nr Fillmore	14.9	114	May-July		13.1
Chicken Creek nr Levan	4.4	182	May-July	0.9	2.4
Oak Cr. nr Oak City	1.1	110	May-July	0.6	1.0[b]
Ephraim Creek nr Ephraim	18.0	137	May-July		13.2[b]
Pleasant Crk nr Mt. Pleasant	10.2	129	May-July		7.9[b]
Salt Creek nr. Nephi	16.4	164	May-July		10.0
Beaver nr Beaver	33	181	May-July	14.8	18.1
North Creek (Combined)	17.5	146	May-July		12.0[b]
Minersville Inflow	16.5	305	May-June		5.4

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Course Averaged	THIS YEAR AS A PERCENT OF Last Year	THIS YEAR AS A PERCENT OF Average
UPPER SEVIER RIVER			
East Fork Sevier	3	288	135
South Fork Sevier	6	244	116
LOWER SEVIER	11	298	112
BEAVER RIVER	3	215	141

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction
a - Estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 Year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE This Year	USEABLE STORAGE Last Year	USEABLE STORAGE Average+
SEVIER RIVER	Gunnison	18.2	18.2	--	14.9
	Otter Creek	52.5	54.2	52.5	39.5
	Piute	71.8	66.8	67.6	47.1
	Sevier Bridge	236.0	217.2	225.4	144.6
BEAVER RIVER	Minersville (Rky Fd)	23.3	19.9	24.6	15.3

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET) Forecast Range	PEAK FLOW (SECOND FEET) Average +
Sevier River at Hatch	500-700	418
Beaver River nr Beaver		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		
Beaver River nr Beaver	300-560	211

c - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Big Flat	4/26	70	25.4	15.4	18.6
Bryce Canyon	4/29	0	0.0	0.0	--
Castle Valley	4/26	33	11.1	2.7	7.2
Duck Creek	4/27	30	12.0	0.0	7.8
Farnsworth Lake	4/27	57	22.6	14.8	22.2
Gooseberry R.S.	4/27	25	10.4	2.6	10.2

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR Date of Survey	THIS YEAR Snow Depth (Inches)	THIS YEAR Water Content (Inches)	PAST RECORD Water Content (Inches) Last Year	PAST RECORD Water Content (Inches) Average +
Harris Flat	4/27	0	0.0	0.0	2.1
Kimberly Mine	4/26	43	17.7	8.3	15.8
Long Valley Junction	4/27	0	0.0	0.0	0.0
Merchants Valley Upper	4/26	19	7.3	0.0	5.9[b]
Midway Valley	4/27	58	23.4	15.3	21.5
Otter Lake	4/26	50	18.9	8.6	12.1
Pickle Keg Springs	4/27	39	17.2	6.0	15.1[b]
Widtsoe-Escalante #3	4/27	38	12.2	6.5	9.0

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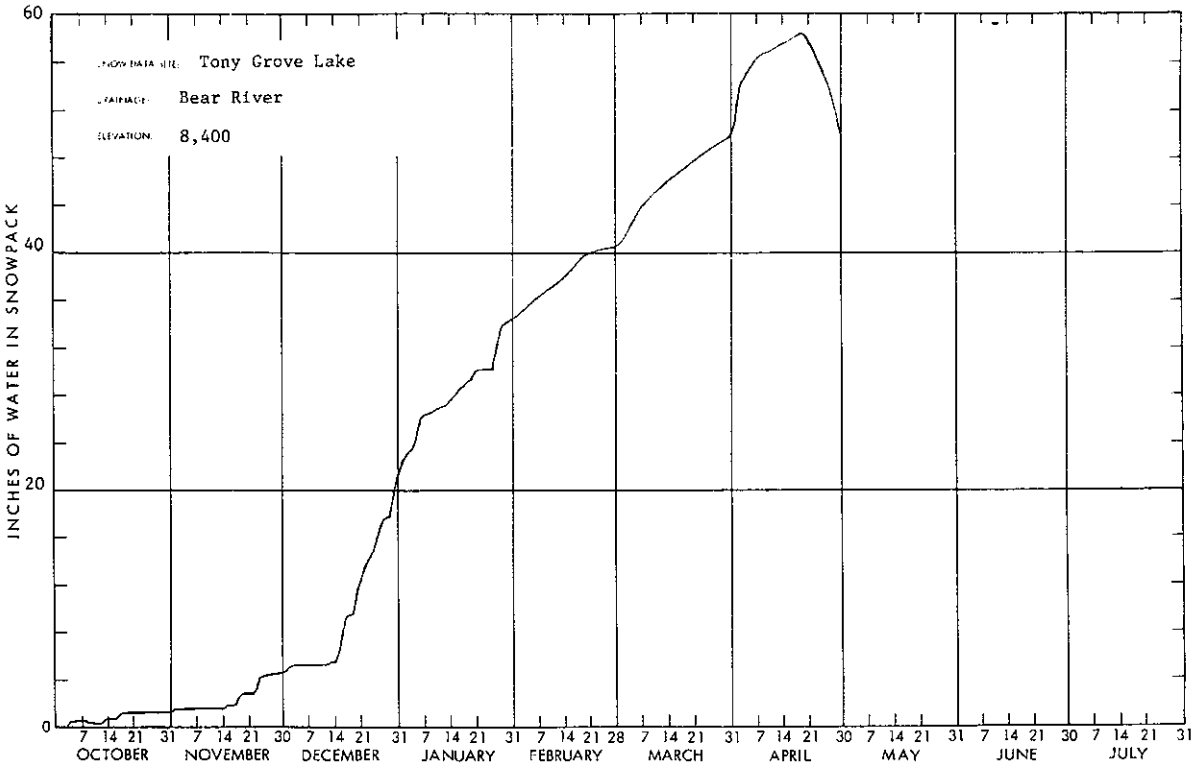
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DRAINAGE: Bear River
ELEVATION: 8,400
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0
20
40
60
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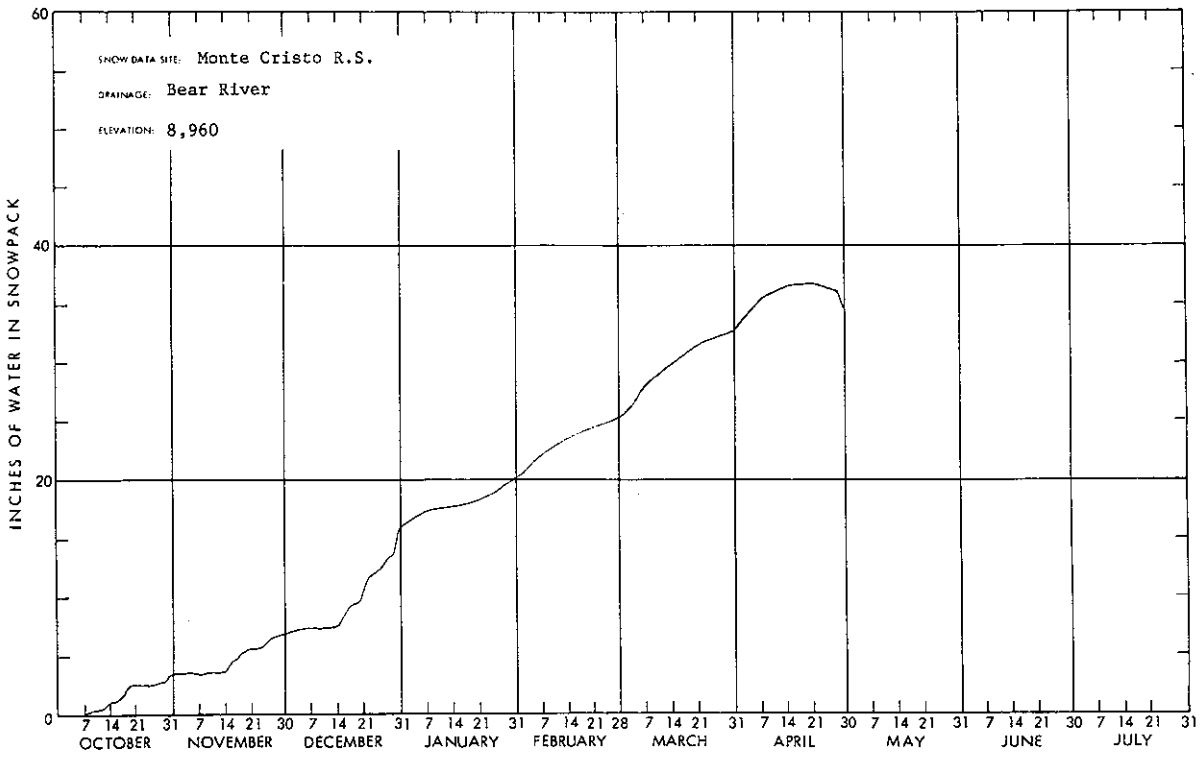
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY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DRAINAGE: Bear River
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INCHES OF WATER IN SNOWPACK
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20
40
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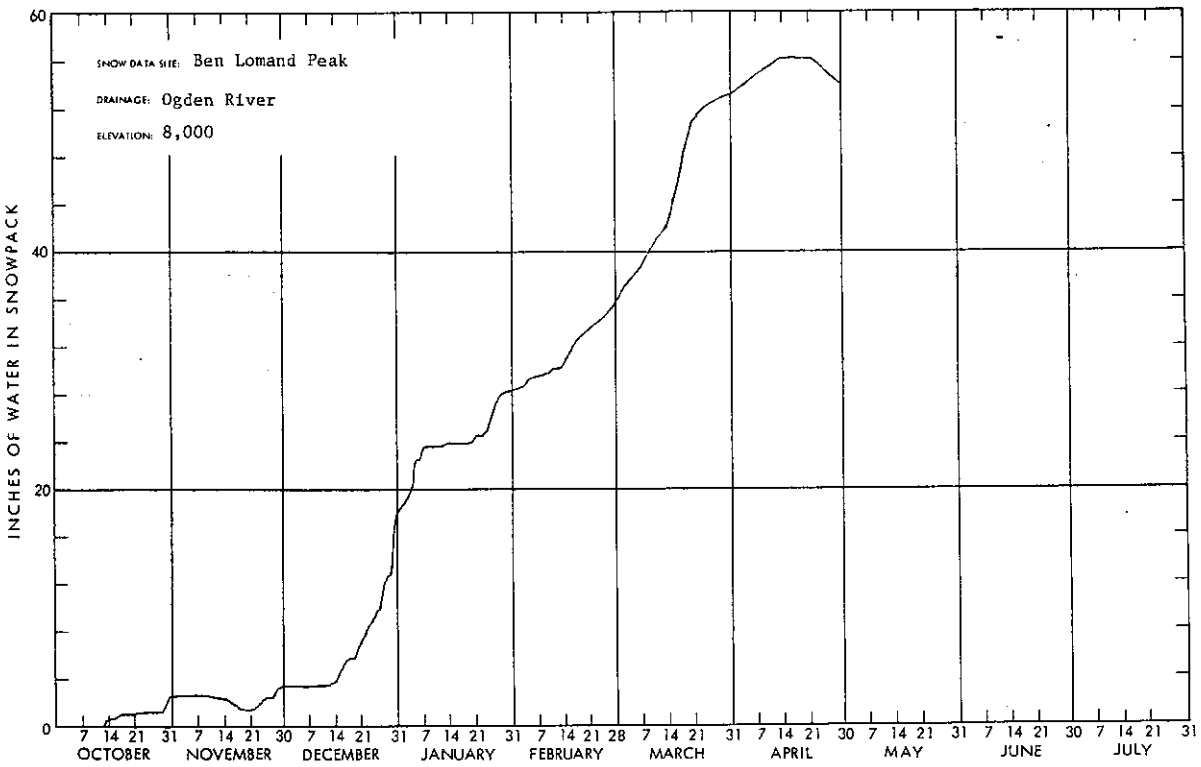

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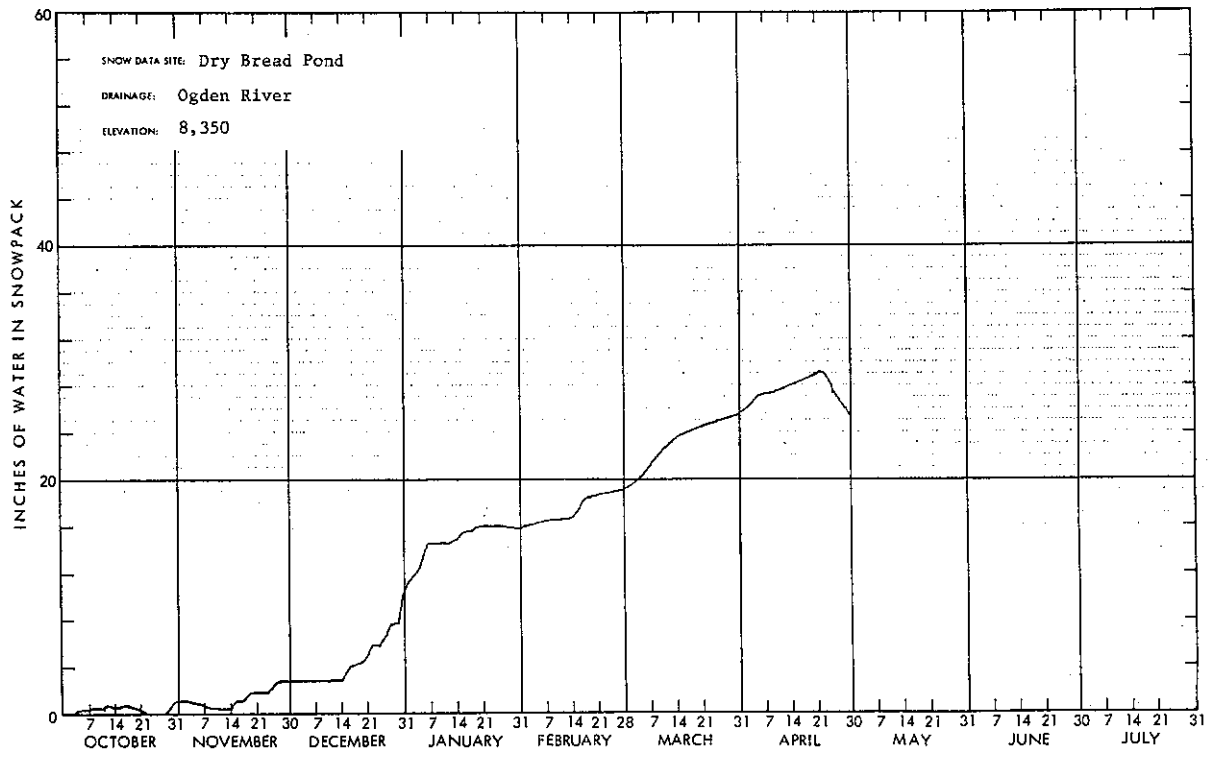

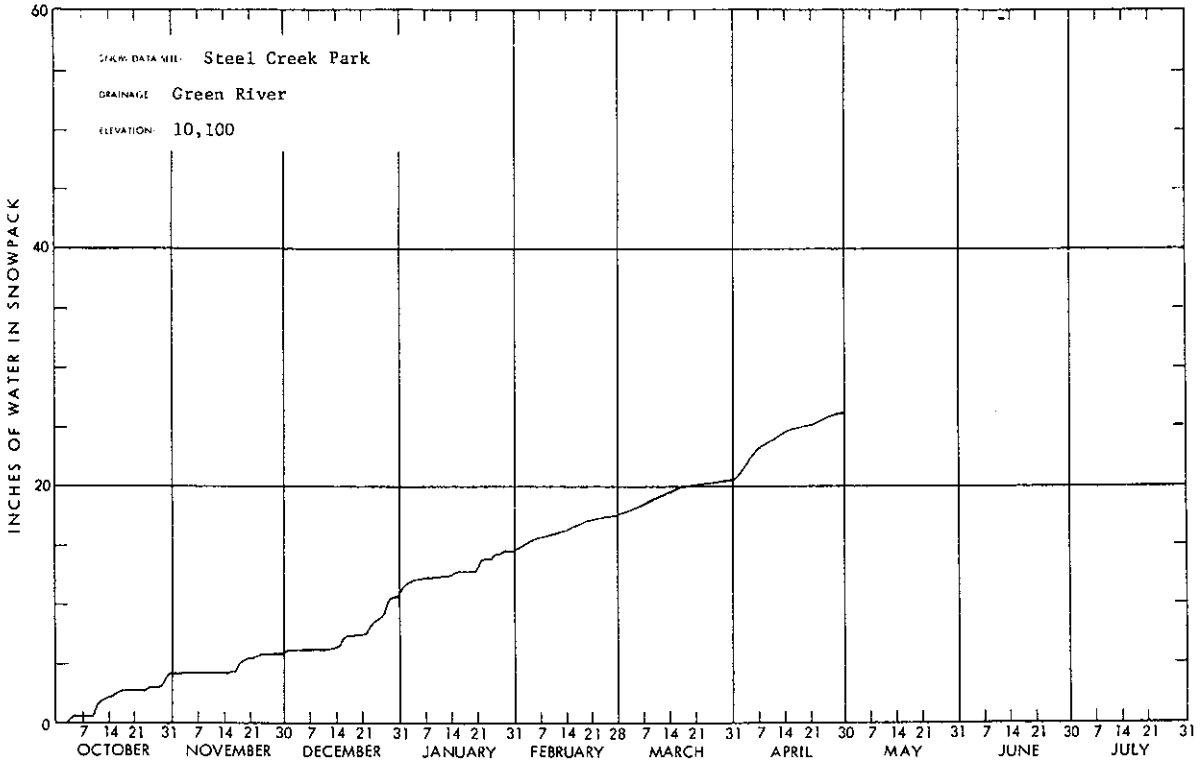
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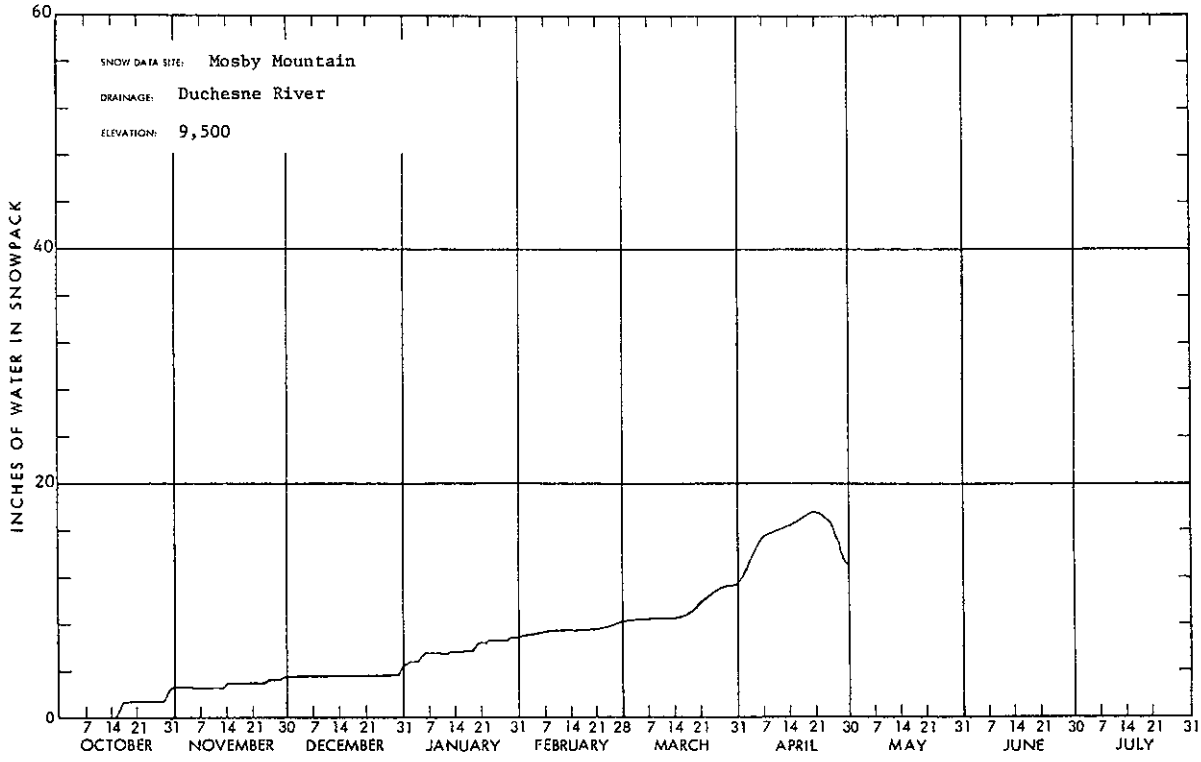
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DRAINAGE: Duchesne River
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40
60
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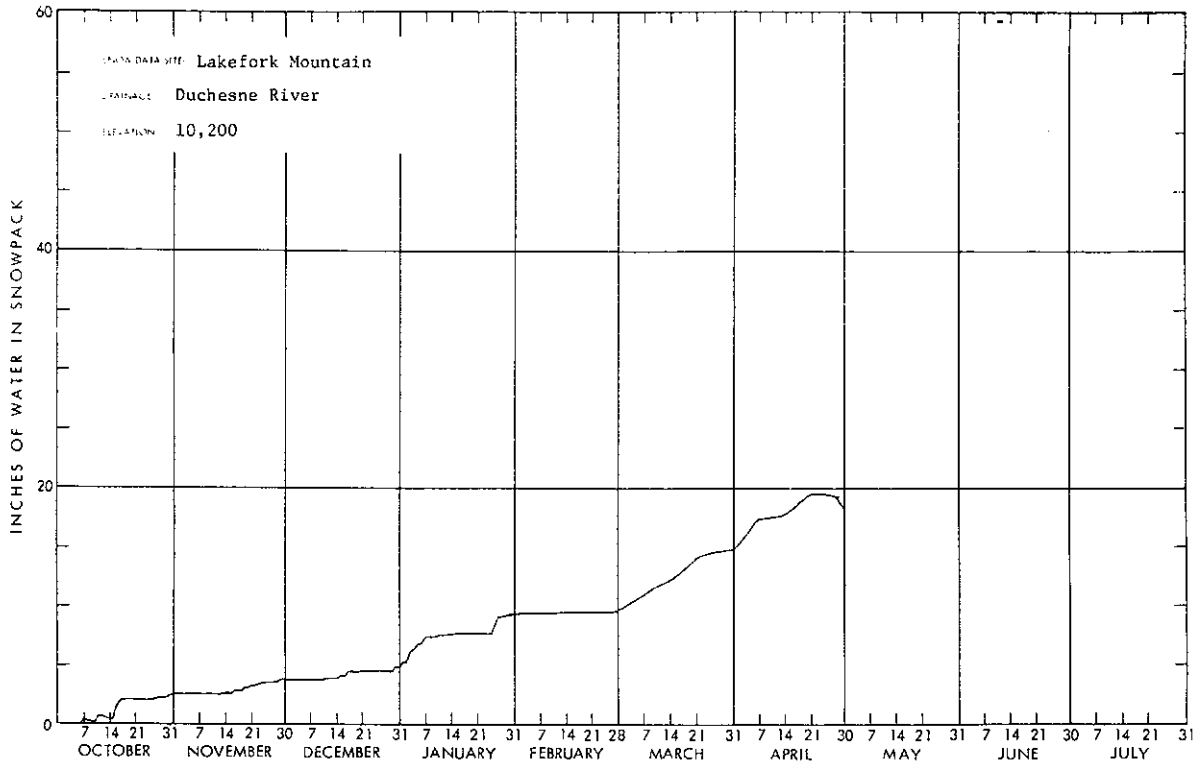
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY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DRAINAGE: Duchesne River
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20
40
60
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OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

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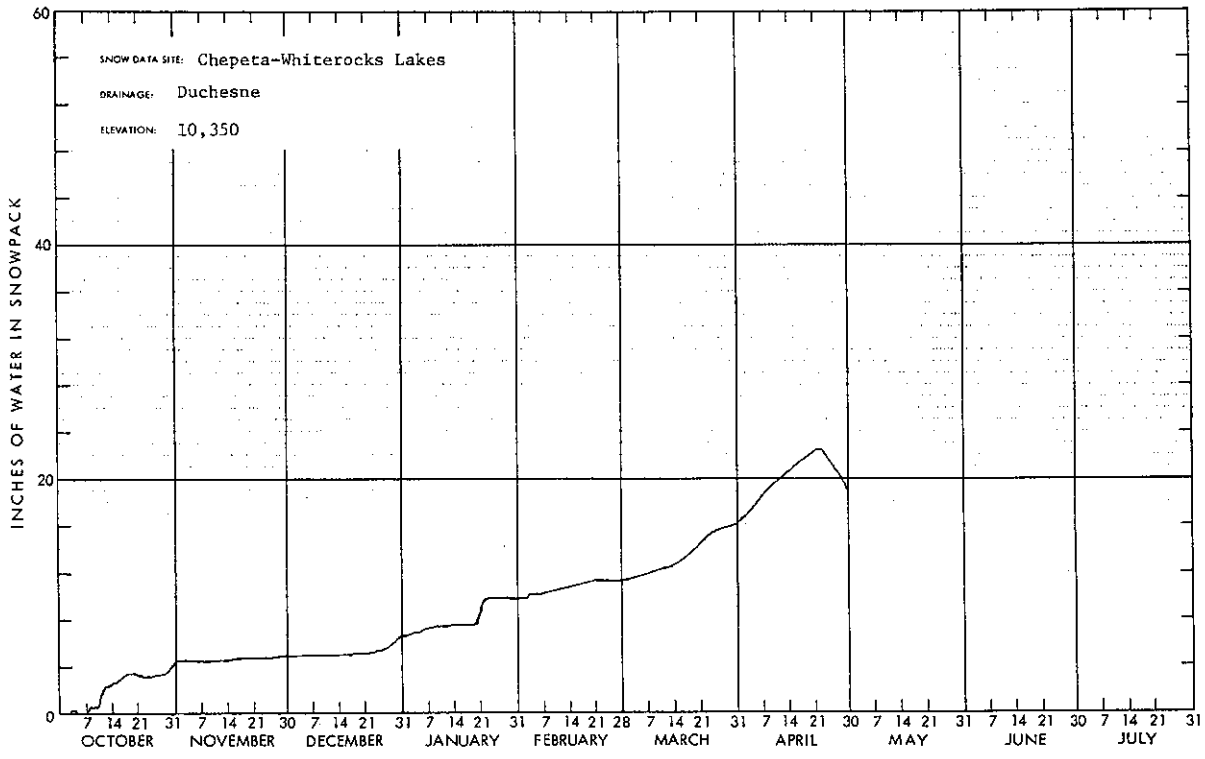
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DRAINAGE: Duchesne
ELEVATION: 10,350
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20
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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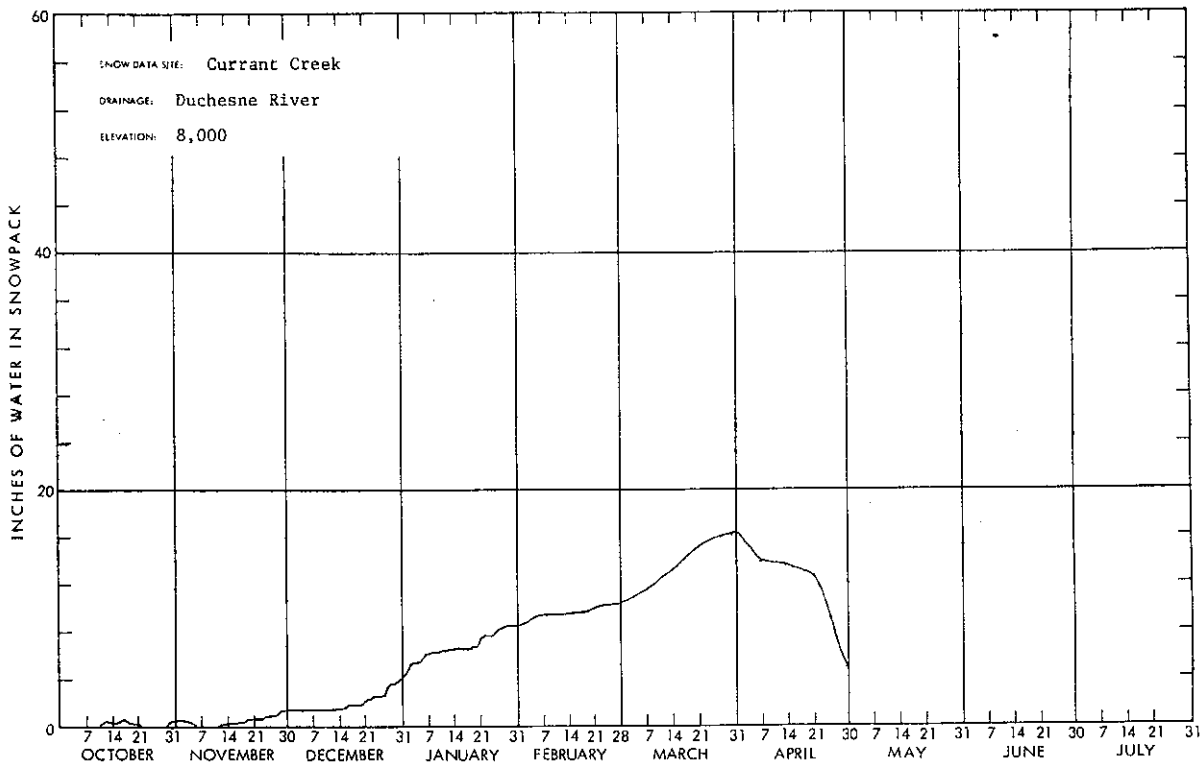
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DRAINAGE: Duchesne River
ELEVATION: 8,000
INCHES OF WATER IN SNOWPACK
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40
20
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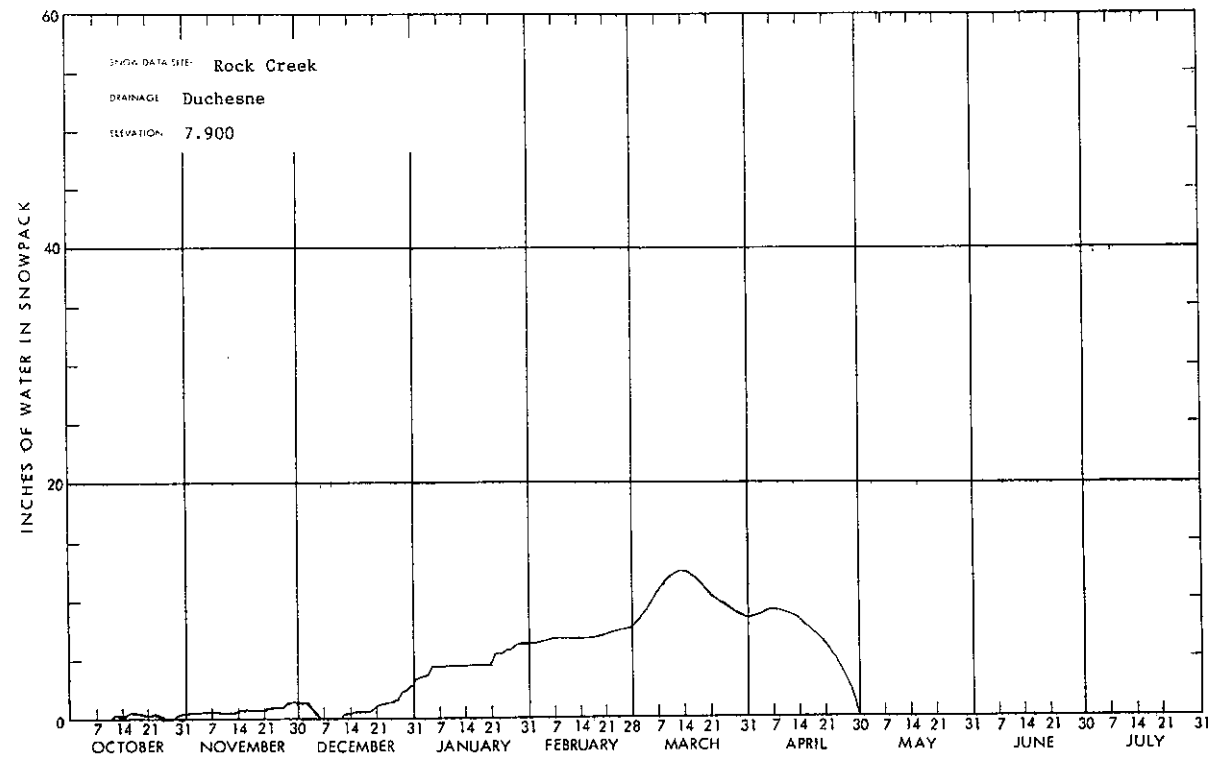
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY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DRAINAGE Duchesne
ELEVATION 7,900
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40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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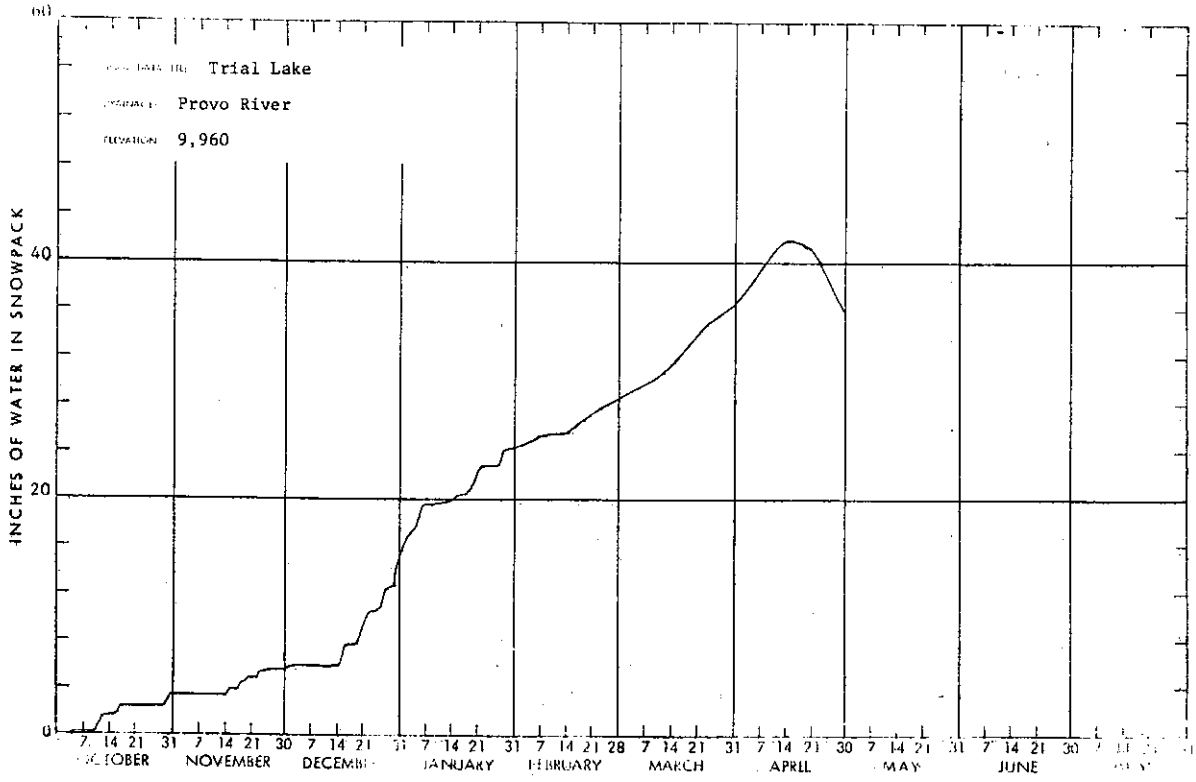
Trial Lake
Provo River
9,960
INCHES OF WATER IN SNOWPACK
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40
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30
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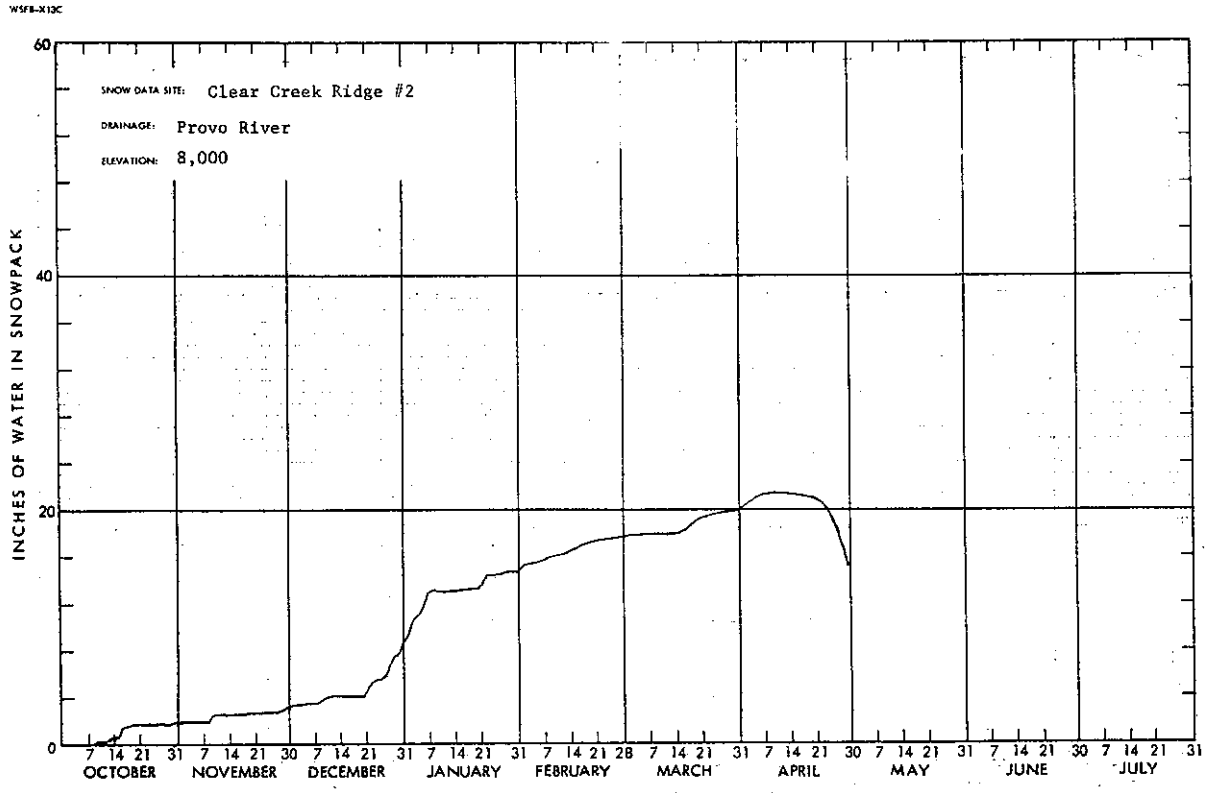
WSFB-X13C
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0
20
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7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
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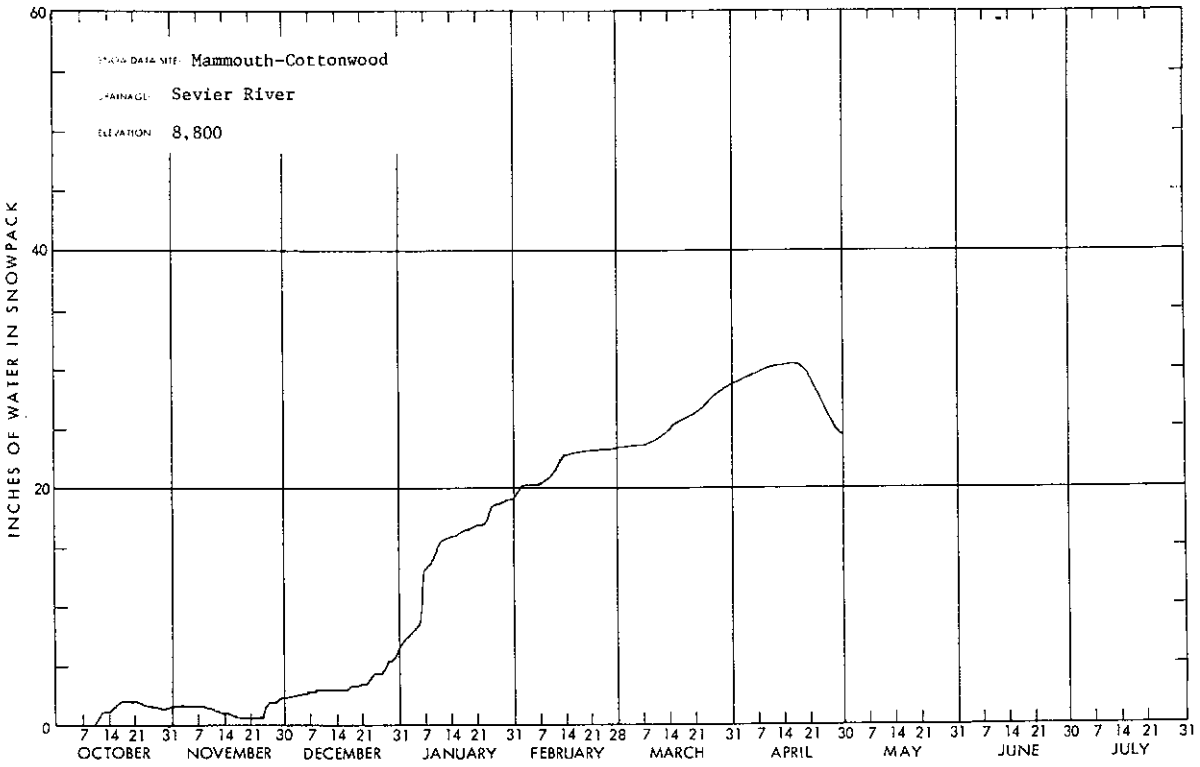
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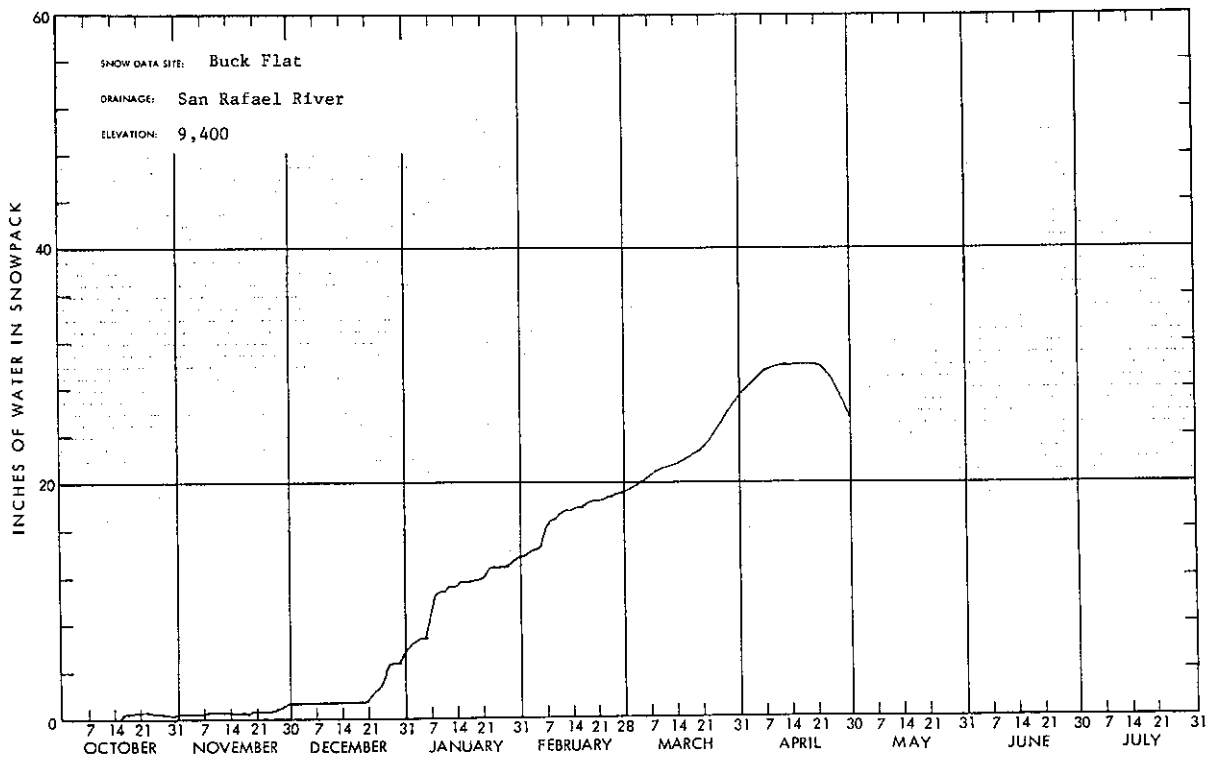
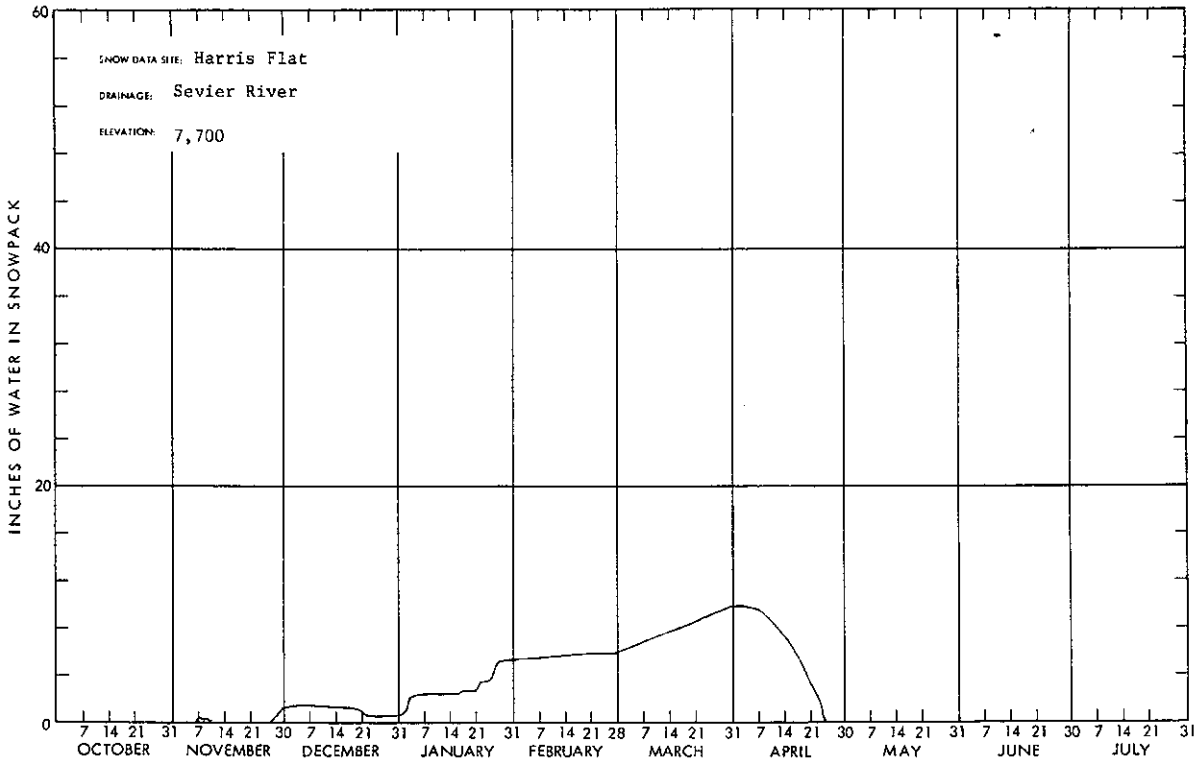
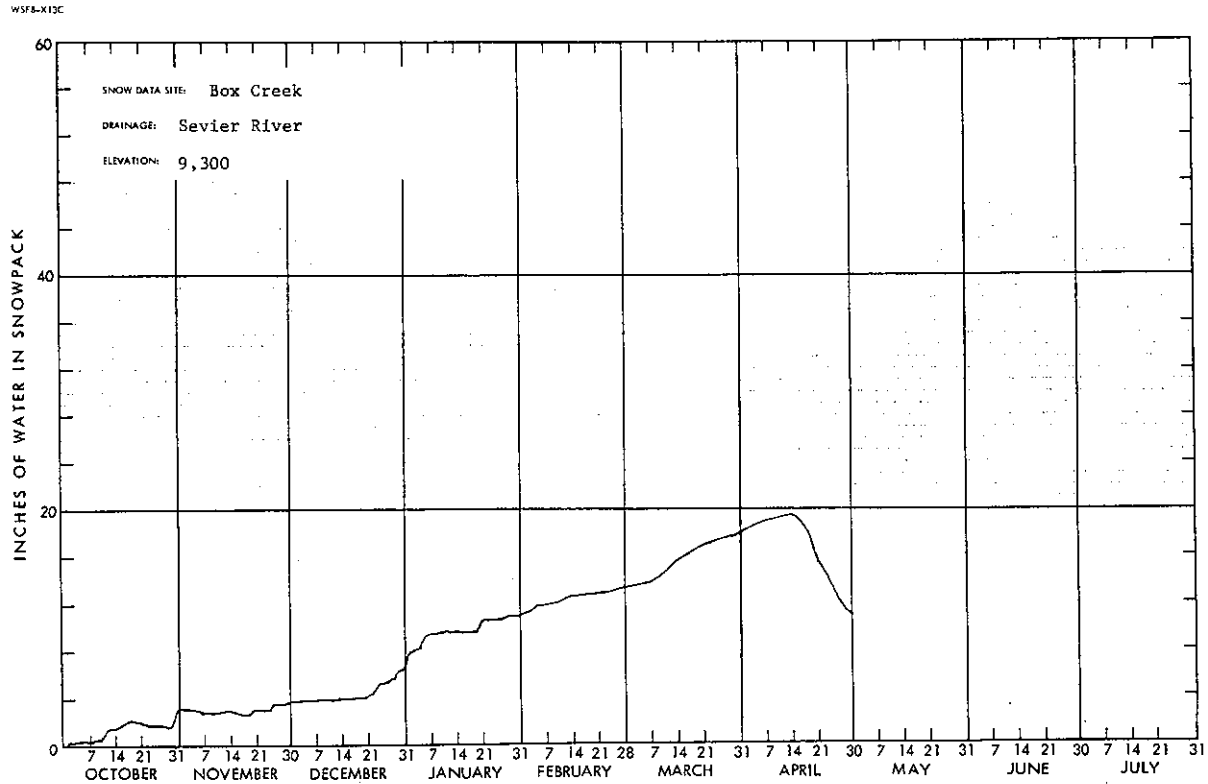
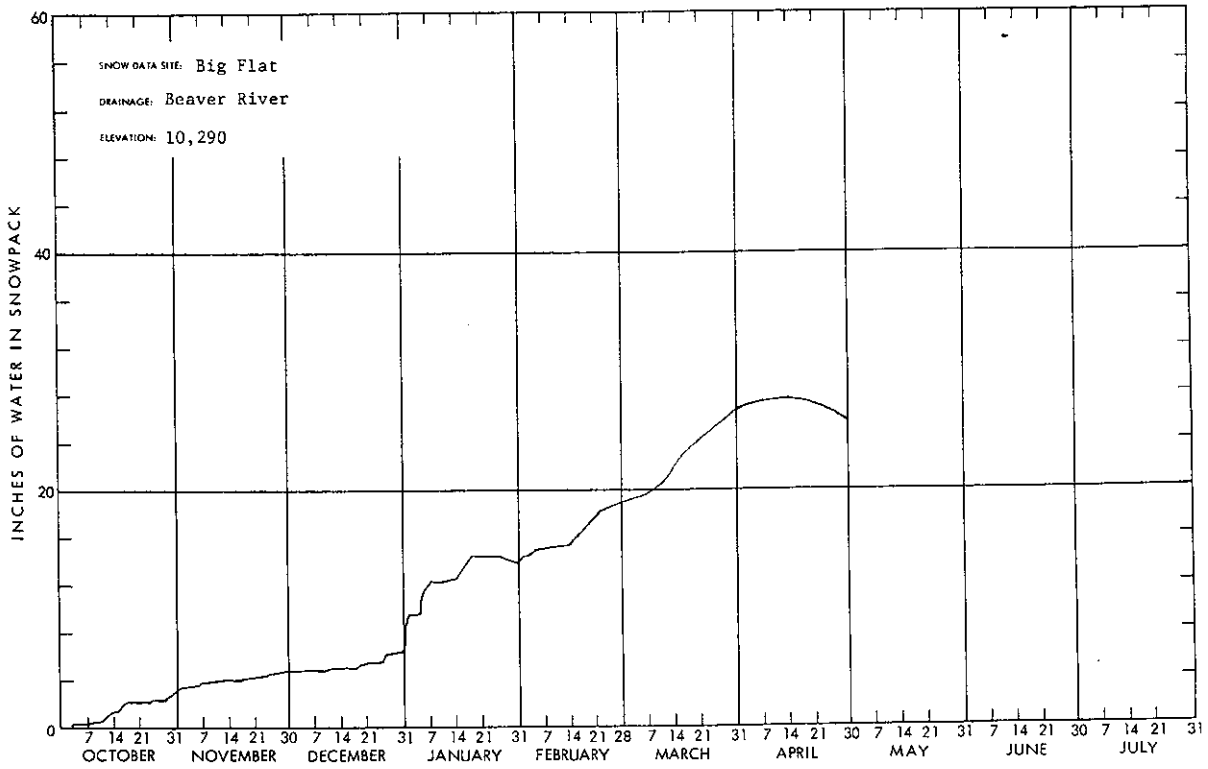
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

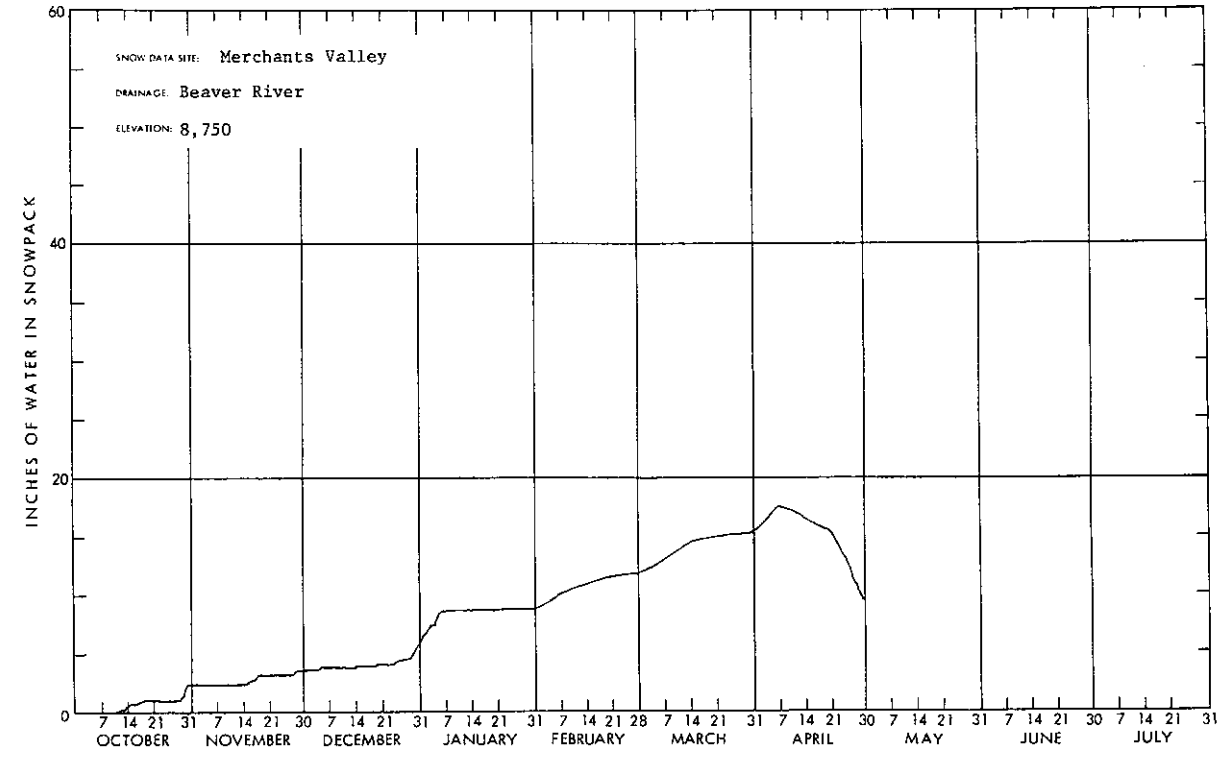
WSFB-X13C

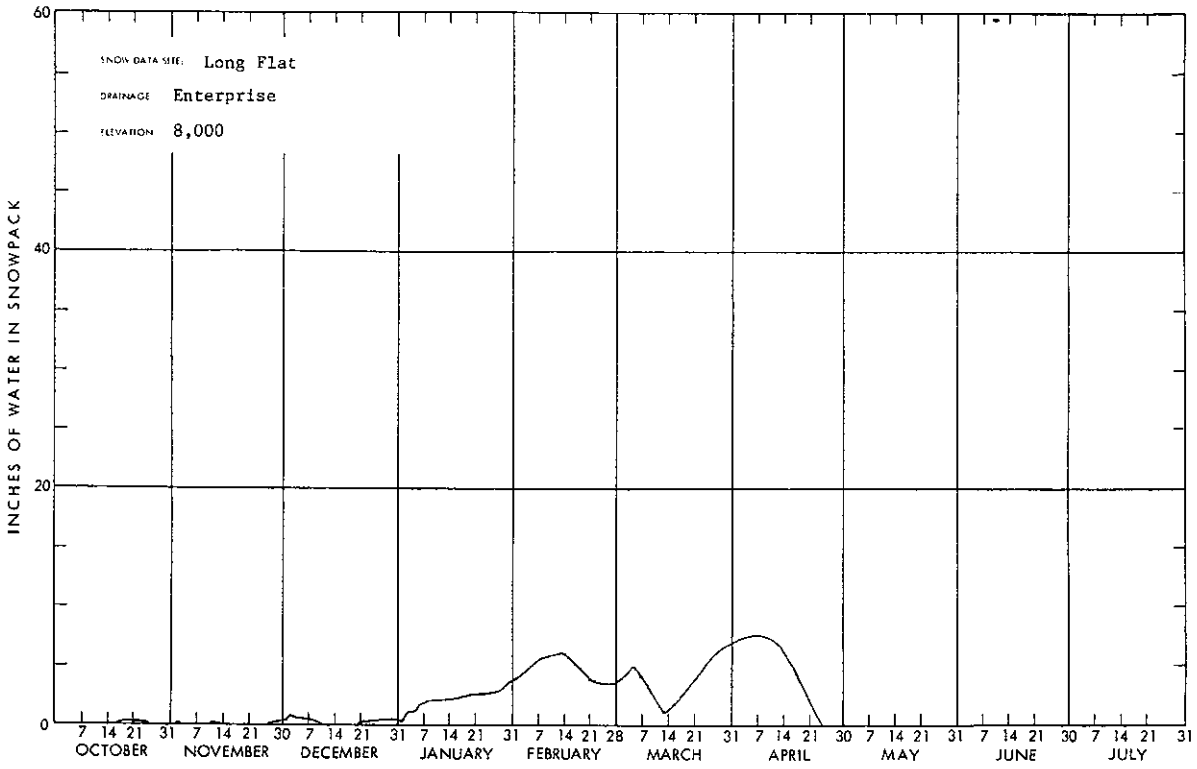

SNOW DATA SITE: Buck Flat
DRAINAGE: San Rafael River
ELEVATION: 9,400
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY

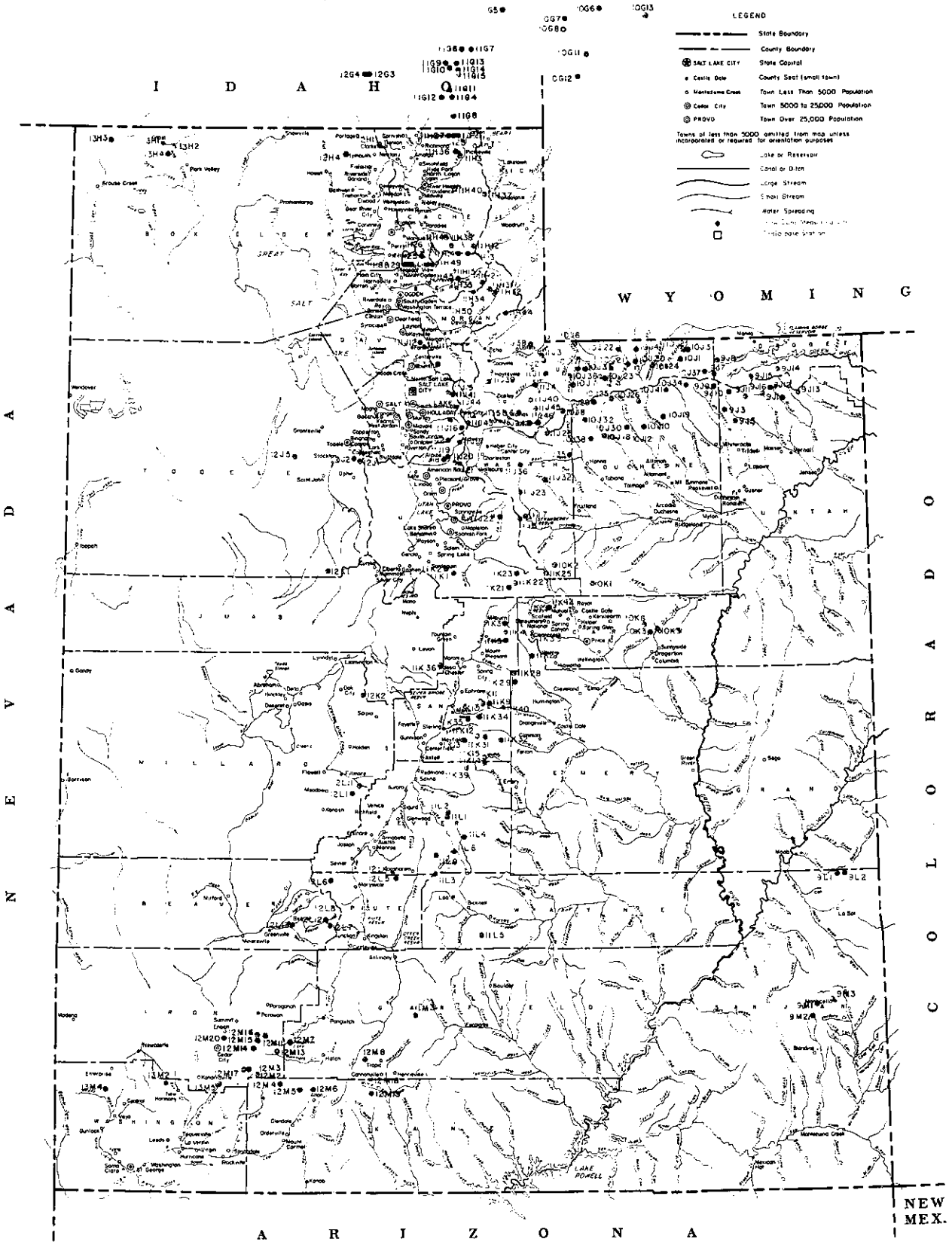

SNOW DATA SITE: Harris Flat
DRAINAGE: Sevier River
ELEVATION: 7,700
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Box Creek
DRAINAGE: Sevier River
ELEVATION: 9,300
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY


SNOW DATA SITE: Big Flat
DRAINAGE: Beaver River
ELEVATION: 10,290
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 OCTOBER
7 14 21 30 NOVEMBER
7 14 21 31 DECEMBER
7 14 21 31 JANUARY
7 14 21 28 FEBRUARY
7 14 21 31 MARCH
7 14 21 30 APRIL
7 14 21 31 MAY
7 14 21 30 JUNE
7 14 21 31 JULY


SNOW DATA SITE: Merchants Valley
DRAINAGE: Beaver River
ELEVATION: 8,750
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 OCTOBER
7 14 21 30 NOVEMBER
7 14 21 31 DECEMBER
7 14 21 31 JANUARY
7 14 21 28 FEBRUARY
7 14 21 31 MARCH
7 14 21 30 APRIL
7 14 21 31 MAY
7 14 21 30 JUNE
7 14 21 31 JULY


SNOW DATA SITE: Long Flat
DRAINAGE Enterprise
ELEVATION 8,000
INCHES OF WATER IN SNOWPACK
60
40
20
0
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adapted for SCS use.

SCALE 1:2,500,000

ALBERS EQUAL AREA PROJECTION

USDA-SCS PORTLAND, OR 1981 M7-UT-22"-27

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
  - Soil Conservation Service
  - Forest Service
- U. S. Department of Commerce
  - NOAA, National Weather Service
- U. S. Department of Interior
  - Bureau of Reclamation
  - Geological Survey
  - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
  - Division of Wildlife Resources
  - Division of Water Resources
  - Division of Water Rights
  - Bear River Commissioner
  - Price River Commissioner
  - Provo River Commissioner
  - Sevier River Commissioners
  - Spanish Fork River Commissioner
  - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

PRIVATE AGENCIES

- Kaiser Steel Corporation

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"The Conservation of Water begins with the Snow Survey"